


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> 16-12D-36 BTR				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> ALTAMONT				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP						<b>7. OPERATOR PHONE</b> 303 312-8164				
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> BHilgers@billbarrettcorp.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 20G0005608			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Cleade and Deborah Ivie						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 801-968-1185				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 4556 W 4805 S, ,						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>			
<b>LOCATION AT SURFACE</b>	825 FSL 260 FEL		SESE	12	3.0 S	6.0 W	U			
<b>Top of Uppermost Producing Zone</b>	793 FSL 809 FEL		SESE	12	3.0 S	6.0 W	U			
<b>At Total Depth</b>	810 FSL 810 FEL		SESE	12	3.0 S	6.0 W	U			
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 810			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 2325			<b>26. PROPOSED DEPTH</b> MD: 11155 TVD: 11112				
<b>27. ELEVATION - GROUND LEVEL</b> 5947			<b>28. BOND NUMBER</b> LPM8874725			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-180				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
<b>Cond</b>	26	16	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
<b>Surf</b>	12.25	9.625	0 - 4000	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	620	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
<b>Prod</b>	8.75	5.5	0 - 11155	17.0	P-110 LT&C	9.7	Unknown	690	2.31	11.0
							Unknown	930	1.42	13.5
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN				
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER				
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP				
<b>NAME</b> Venessa Langmacher				<b>TITLE</b> Senior Permit Analyst			<b>PHONE</b> 303 312-8172			
<b>SIGNATURE</b>				<b>DATE</b> 09/19/2011			<b>EMAIL</b> vlangmacher@billbarrettcorp.com			
<b>API NUMBER ASSIGNED</b> 43013509800000				<b>APPROVAL</b> <div style="text-align: center;">           Permit Manager       </div>						

**RECEIVED: September 27, 2011**

**DRILLING PLAN**

BILL BARRETT CORPORATION

**16-12D-36 BTR Well Pad**

SE SE, 825' FSL and 260' FEL, Section 12, T3S-R6W, USB&amp;M (surface hole)

SE SE, 810' FSL and 810' FEL, Section 12, T3S-R6W, USB&amp;M (bottom hole)

Duchesne County, Utah

**1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth – TVD</u></b>
Lower Green River*	6,718'	6,687'
Douglas Creek	7,549'	7,507'
Black Shale	8,200'	8,157'
Castle Peak	8,335'	8,292'
Uteland Butte	8,665'	8,622'
Wasatch*	9,110'	9,067'
TD	11,155'	11,112'

\*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 3,400'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 4,000'	No pressure control required
4,000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
26"	Surface	80'	16"	65#			
12 1/4"	Surface	4,000'	9 5/8"	36#	J or K 55	BT&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New
<b>NOTE: In addition, 8 3/4" hole size may change to 7 7/8" at the point the bit is changed out.</b>							

Bill Barrett Corporation  
Drilling Program  
#16-12D-36 BTR  
Duchesne County, Utah

5. **Cementing Program**

<b>Casing</b>	<b>Cementing</b>
16" Conductor Casing	<i>Grout</i>
9 5/8" Surface Casing	<p><i>Lead</i> with approximately 620 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft<sup>3</sup>/sx) circulated to surface with 75% excess. Top of lead estimated at surface.</p> <p><i>Tail</i> with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft<sup>3</sup>/sx), calculated hole volume with 75% excess. Top of tail estimated at 3,500'.</p>
5 1/2" Production Casing	<p><i>Lead</i> with approximately 690 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft<sup>3</sup>/sx,) . Top of lead estimated at 3,500'.</p> <p><i>Tail</i> with approximately 930 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft<sup>3</sup>/sx). Top of tail estimated at 7,700'.</p>

6. **Mud Program**

<b><u>Interval</u></b>	<b><u>Weight</u></b>	<b><u>Viscosity</u></b>	<b><u>Fluid Loss (API filtrate)</u></b>	<b><u>Remarks</u></b>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 4,000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
4,000' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **Testing, Logging and Core Programs**

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

Bill Barrett Corporation  
Drilling Program  
#16-12D-36 BTR  
Duchesne County, Utah

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5605 psi\* and maximum anticipated surface pressure equals approximately 3160 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

**10. Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

**11. Drilling Schedule**

Location Construction:	January 2012
Spud:	January 2012
Duration:	15 days drilling time
	45 days completion time



**PRESSURE CONTROL EQUIPMENT – Schematic Attached**

**A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer.** The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 5,000 psi

**C. Testing Procedure:**

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

**D. Choke Manifold Equipment:**

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

**E. Accumulator:**

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

**F. Miscellaneous Information:**

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.



# Bill Barrett Corporation

## LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

**Well Name:** 16-12D-36 BTR

### Surface Hole Data:

Total Depth:	4,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	1918.3	ft <sup>3</sup>
Lead Fill:	3,500'	
Tail Volume:	274.0	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

Lead Yield:	3.16	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Lead:	0'	

### Calculated # of Sacks:

# SK's Lead:	620
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Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	3,500'	

# SK's Tail:	210
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### Production Hole Data:

Total Depth:	11,155'
Top of Cement:	3,500'
Top of Tail:	7,700'
OD of Hole:	8.750"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1591.3	ft <sup>3</sup>
Lead Fill:	4,200'	
Tail Volume:	1309.2	ft <sup>3</sup>
Tail Fill:	3,455'	

### Cement Data:

Lead Yield:	2.31	ft <sup>3</sup> /sk
Tail Yield:	1.42	ft <sup>3</sup> /sk
% Excess:	50%	

### Calculated # of Sacks:

# SK's Lead:	690
# SK's Tail:	930

<b>16-12D-36 BTR Proposed Cementing Program</b>
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<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (3500' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 3,500'
	Volume: 341.63 bbl
	<b>Proposed Sacks: 620 sks</b>
<b>Tail Cement - (TD - 3500')</b>	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft <sup>3</sup> /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 3,500'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	<b>Proposed Sacks: 210 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (7700' - 3500')</b>	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft <sup>3</sup> /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 3,500'
	Calculated Fill: 4,200'
	Volume: 283.41 bbl
	<b>Proposed Sacks: 690 sks</b>
<b>Tail Cement - (11155' - 7700')</b>	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 7,700'
	Calculated Fill: 3,455'
	Volume: 233.16 bbl
	<b>Proposed Sacks: 930 sks</b>

T3S, R6W, U.S.B.&M.

BILL BARRETT CORPORATION

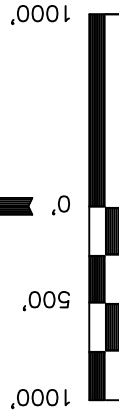
Well location, #16-12D-36 BTR, located as shown in the SE 1/4 SE 1/4 of Section 12, T3S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION LOCATED IN THE NW 1/4 OF SECTION 36, T3S, R6W, U.S.B.&M., TAKEN FROM THE RABBITT GULCH, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5904 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY CLOSE SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

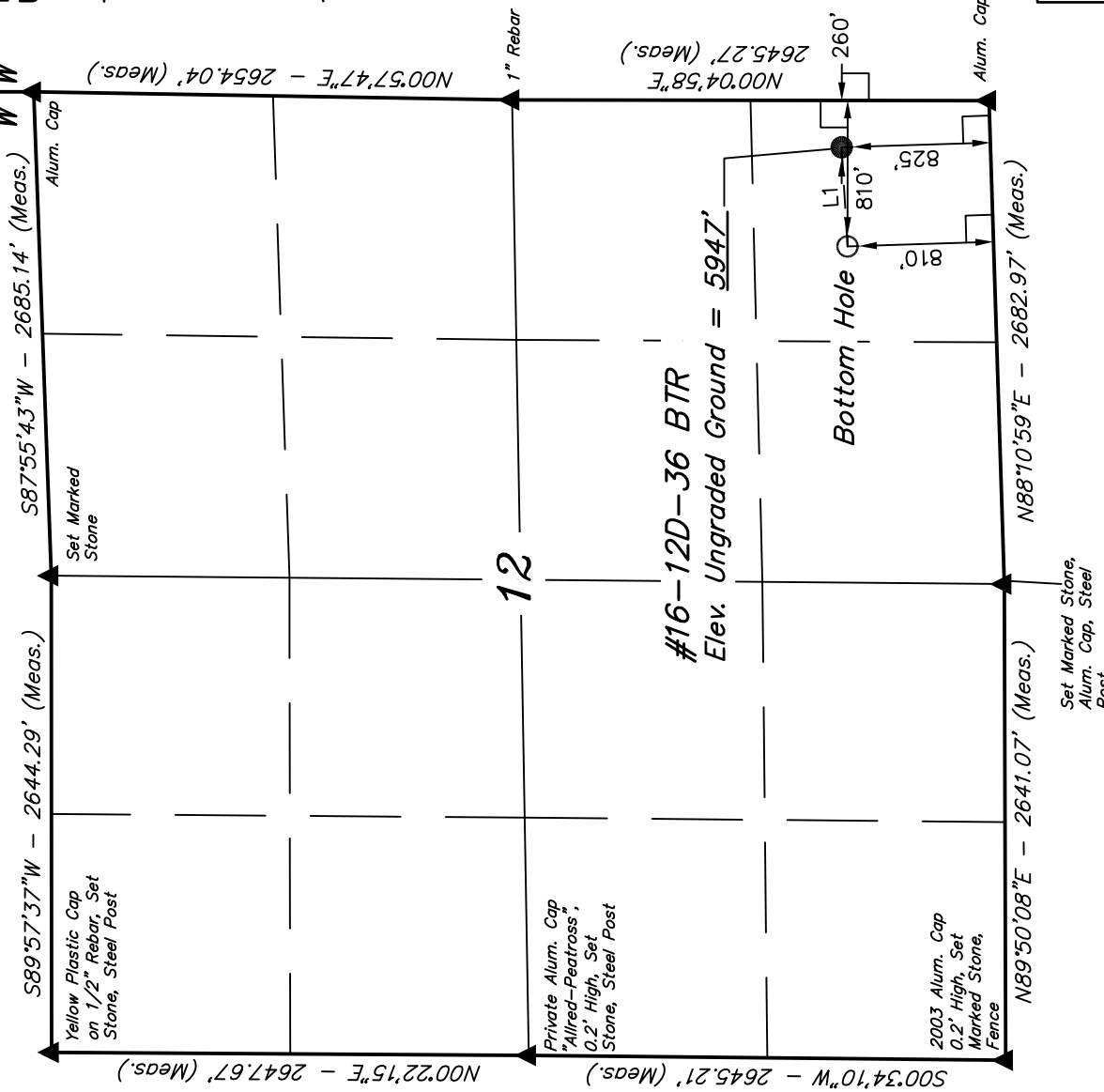
REVISED: 07-11-11 K.O.

UTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-07-11	DATE DRAWN: 04-13-11
PARTY G.M. T.A. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE	
		BILL BARRETT CORPORATION



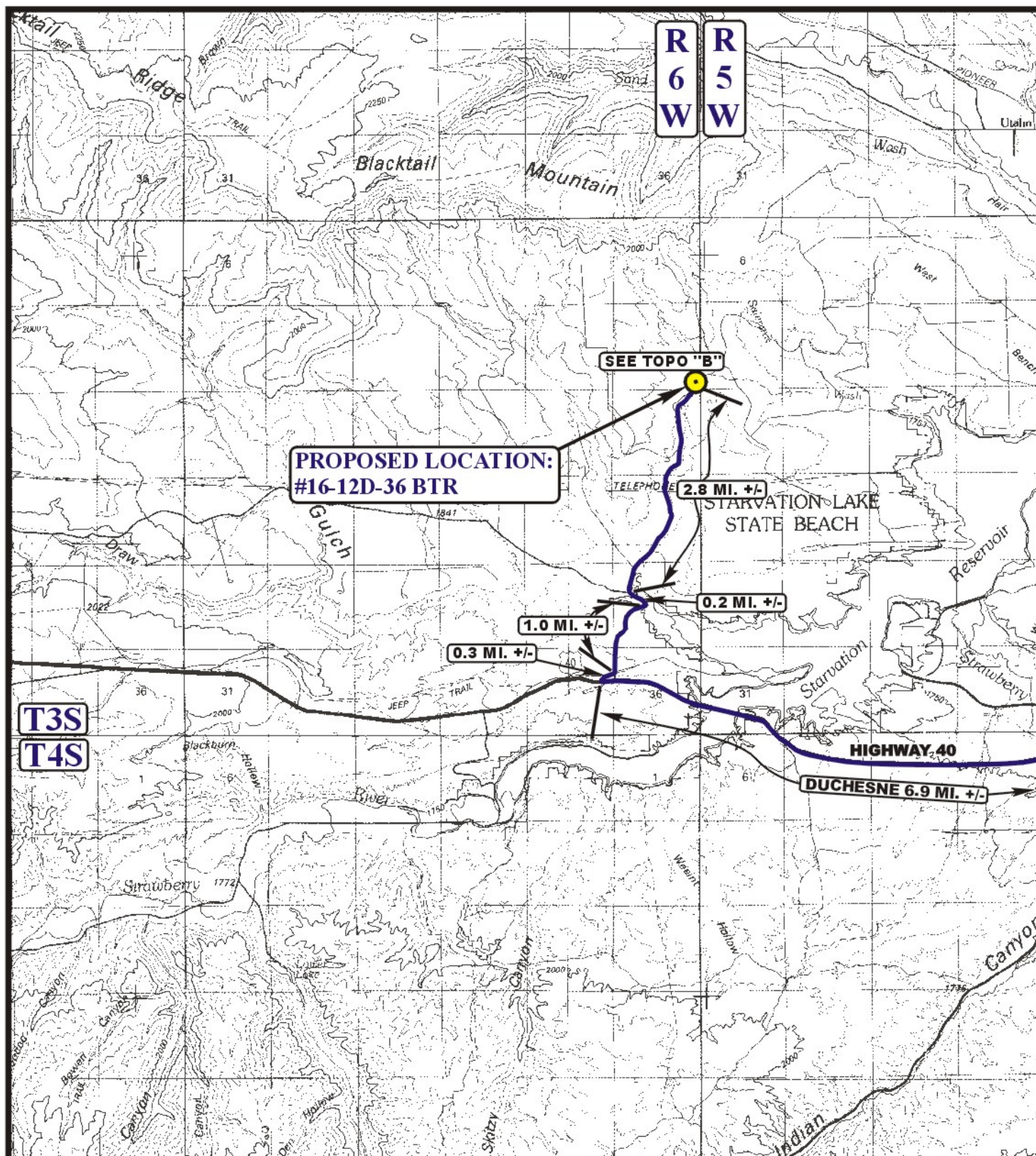
LINE TABLE		
LINE	BEARING	LENGTH
L1	S86°39'10"W	550.82'

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°13'46.14"	(40.229483)	LATITUDE = 40°13'46.46"	(40.229572)
LONGITUDE = 110°30'17.66"	(110.504906)	LONGITUDE = 110°30'10.58"	(110.502939)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°13'46.30"	(40.229528)	LATITUDE = 40°13'46.62"	(40.229617)
LONGITUDE = 110°30'15.10"	(110.504194)	LONGITUDE = 110°30'08.01"	(110.502225)

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.





**LEGEND:**

**PROPOSED LOCATION**

**BILL BARRETT CORPORATION**

**#16-12D-36 BTR**  
**SECTION 12, T3S, R6W, U.S.B.&M.**  
**825' FSL 260' FEL**



**Uintah Engineering & Land Surveying**  
**85 South 200 East Vernal, Utah 84078**  
**(435) 789-1017 \* FAX (435) 789-1813**



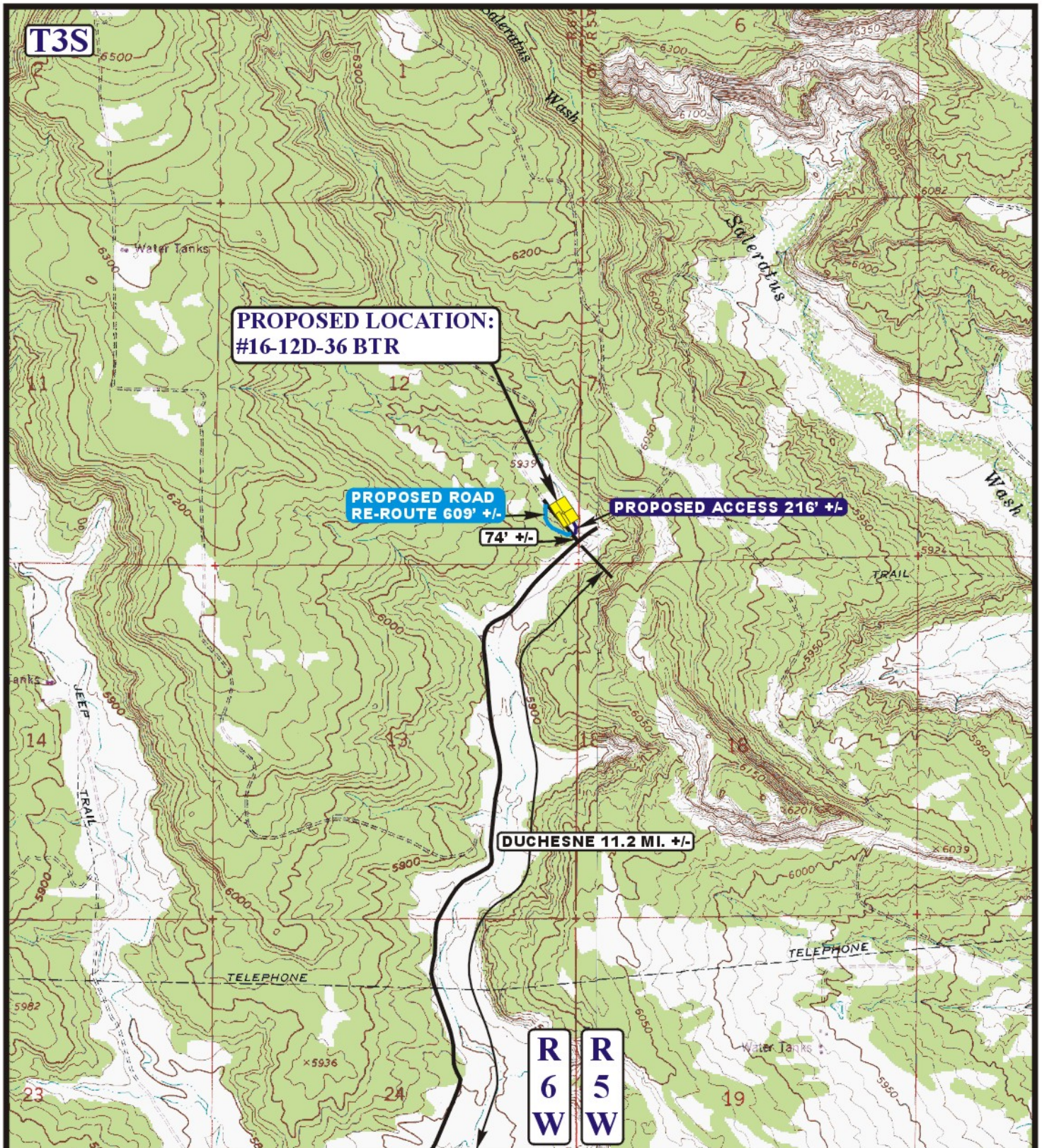
**TOPOGRAPHIC  
MAP**

**04 15 11**  
**MONTH DAY YEAR**

**SCALE: 1:100,000** **DRAWN BY: Z.L.** **REV: 07-01-11 C.I.**

**A  
TOPO**





**BILL BARRETT CORPORATION**

**#16-12D-36 BTR**

**SECTION 12, T3S, R6W, U.S.B.&M.**

**825' FSL 260' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC  
MAP**

**04 15 11**  
 MONTH DAY YEAR

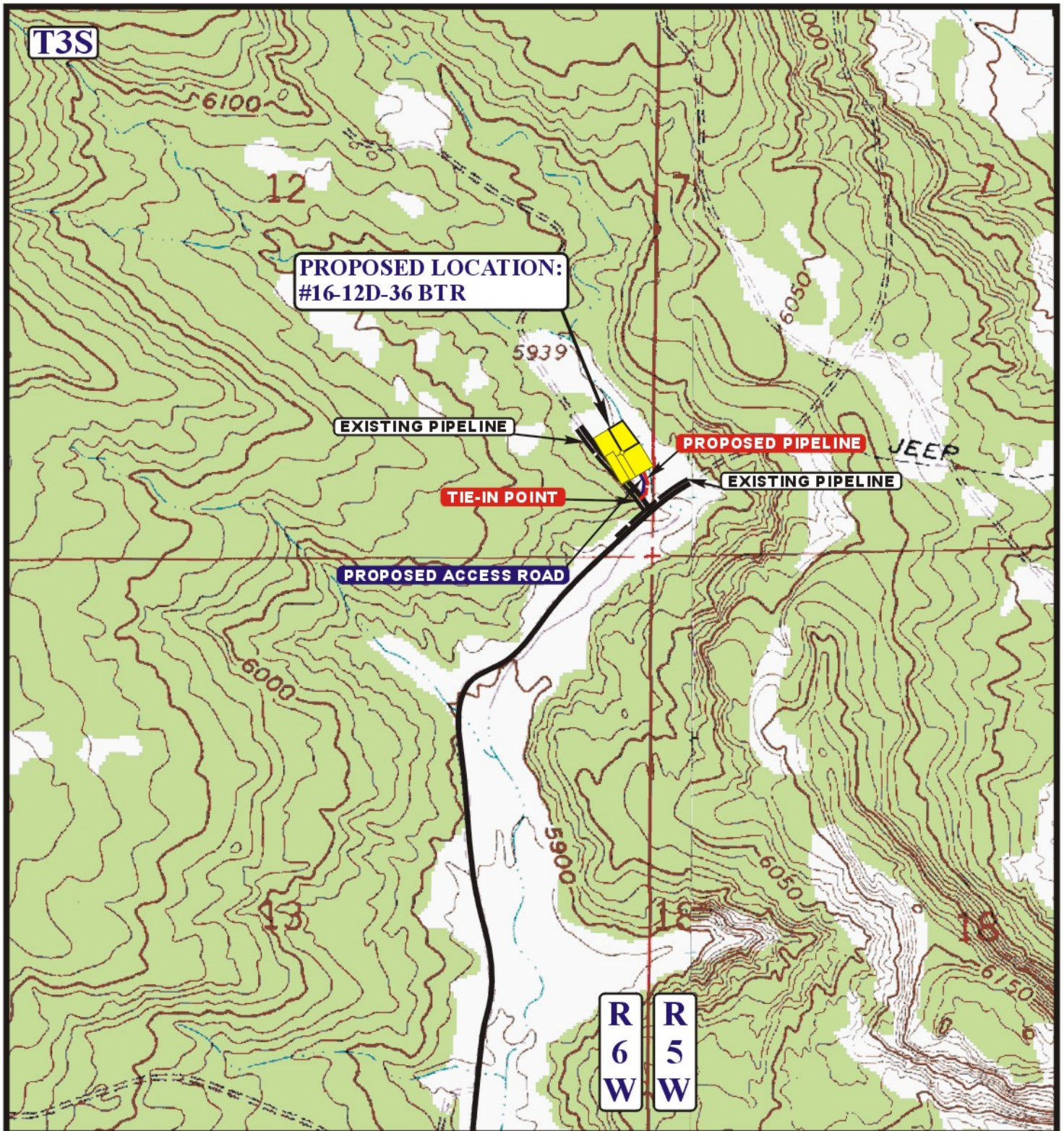
**B  
TOPO**

SCALE: 1" = 2000'

DRAWN BY: Z.L.

REV: 07-01-11 C.I.





**APPROXIMATE TOTAL PIPELINE DISTANCE = 249' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- PROPOSED ACCESS



**BILL BARRETT CORPORATION**

**#16-12D-36 BTR**  
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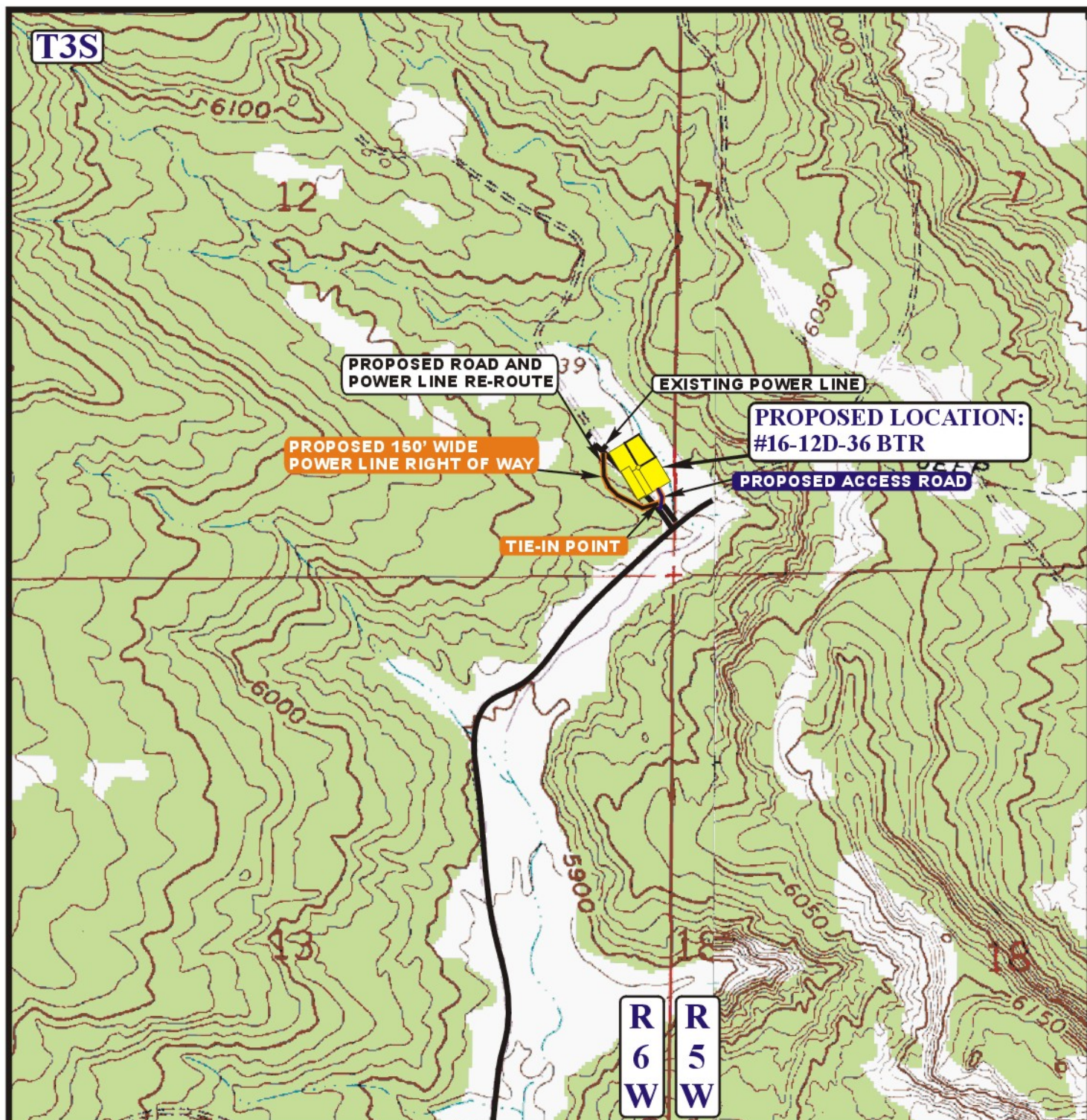
**TOPOGRAPHIC**  
**MAP**

**04 15 11**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: Z.L. REV: 07-01-11 C.I.







**APPROXIMATE TOTAL POWER LINE DISTANCE = 185' +/-**

**APPROXIMATE TOTAL POWER LINE RE-ROUTE DISTANCE = 642' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- PROPOSED POWER LINE
- - - - - EXISTING POWER LINE



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**825' FSL 260' FEL**



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**TOPOGRAPHIC**  
**MAP**

**04 15 11**  
 MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: Z.L.

REV: 07-01-11 C.I.

**D**  
 TOPO





Bill Barrett Corp.  
 Project: Duchesne Co., UT  
 Site: Sec.12-T3S-R6W  
 Well: #16-12D-36 BTR  
 Wellbore: Wellbore #1  
 Design: Design #1  
 Latitude: 40° 13' 46.459 N  
 Longitude: 110° 30' 10.580 W  
 Ground Level: 5947.00  
 WELL @ 5963.00usft



## WELL DETAILS: #16-12D-36 BTR

+N/-S	+E/-W	Northing	Ground Level: 5947.00	Latitude	Longitude	Slot
0.00	0.00	7253899.389	1918791.219	40° 13' 46.459 N	110° 30' 10.580 W	

## WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
#16-12D-36 BTR Tgt	1112.00	-32.41	-549.19	40° 13' 46.139 N	110° 30' 17.662 W	Rectangle (Sides: L200.00 W200.00)

## SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP / Start Build 2.00°
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	Start 2904.90° hold at 4569.07 MD
4569.07	9.38	266.62	4566.97	-2.26	-38.25	2.00	266.62	38.32	Start Drop -2.00°
7473.97	9.38	266.62	7433.03	-30.15	-510.94	0.00	0.00	511.83	Start 3212.00° hold at 7943.04 MD
7943.04	0.00	0.00	7900.00	-32.41	-549.19	2.00	180.00	550.14	TD at 11155.04
11155.04	0.00	0.00	11112.00	-32.41	-549.19	0.00	0.00	550.14	

## PROJECT DETAILS: Duchesne Co., UT

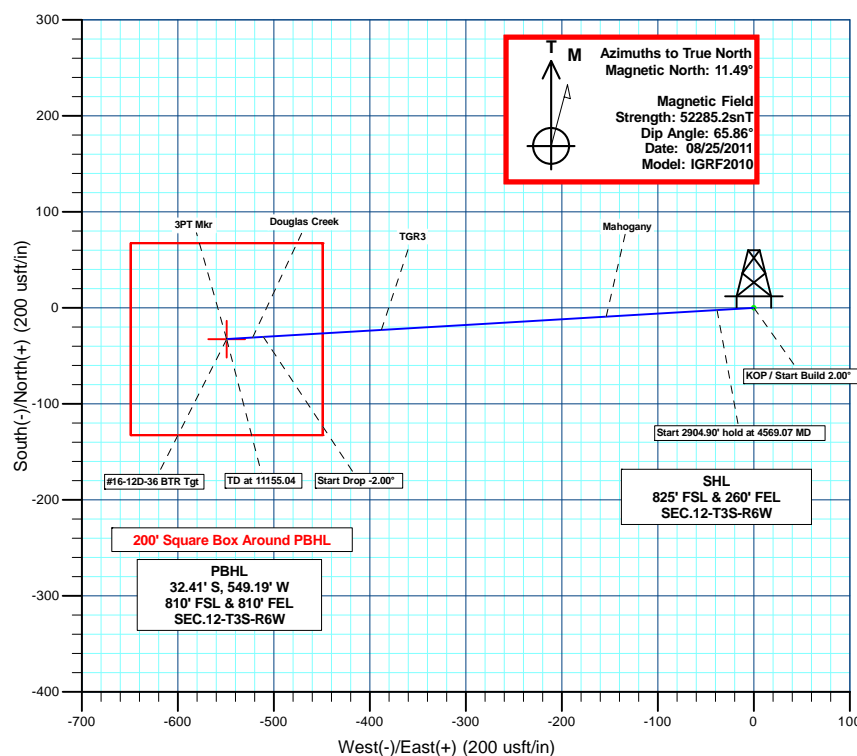
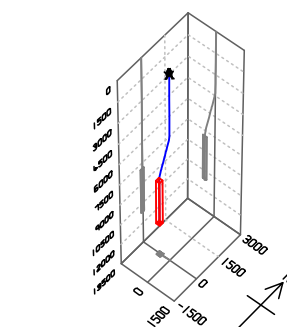
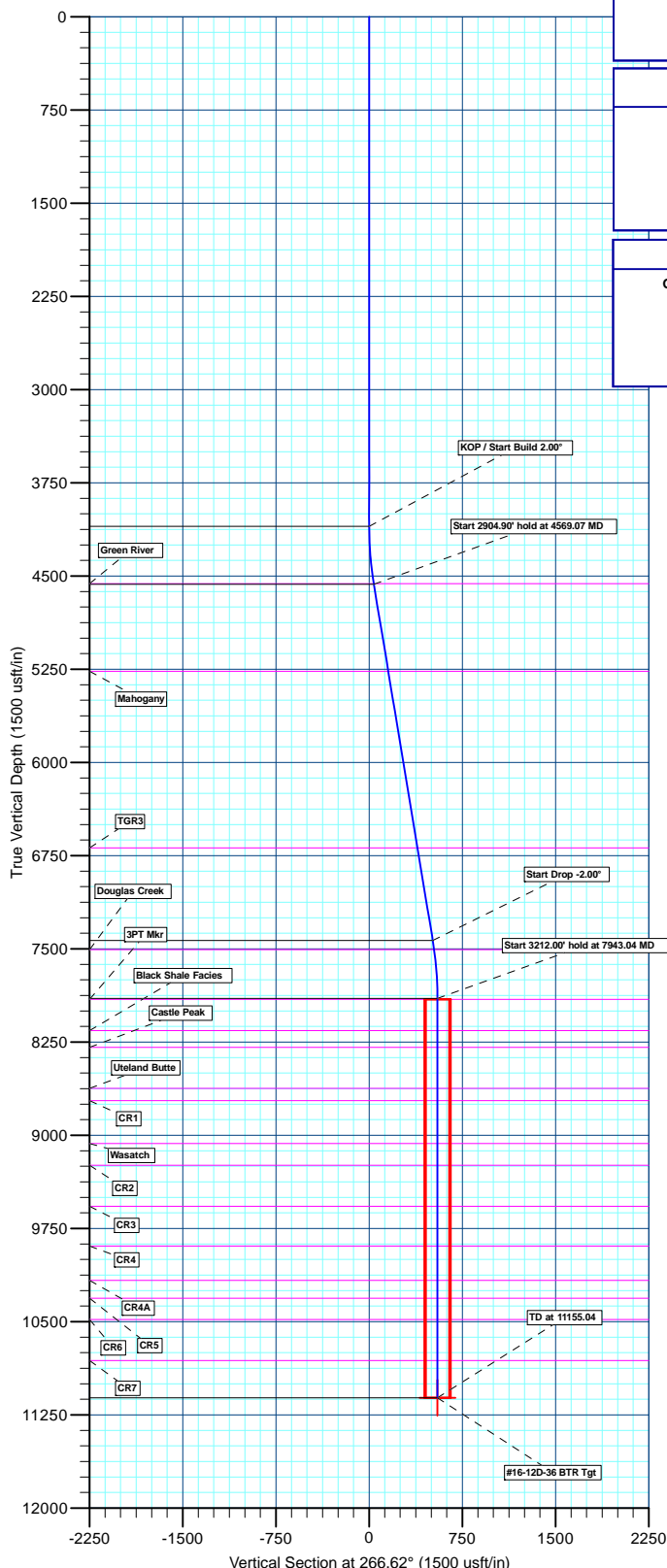
Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah Central Zone  
 System Datum: Mean Sea Level

## REFERENCE INFORMATION

Co-ordinate (NE) Reference: Well #16-12D-36 BTR, True North  
 Vertical (TVD) Reference: WELL @ 5963.00usft  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: WELL @ 5963.00usft  
 Calculation Method: Minimum Curvature

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4562.00	4564.03	Green River
5267.00	5278.58	Mahogany
6687.00	6717.83	TGR3
7507.00	7548.80	Douglas Creek
7907.00	7950.04	3PT Mkr
8157.00	8200.04	Black Shale Facies
8292.00	8335.04	Castle Peak
8622.00	8665.04	Uteland Butte
8722.00	8765.04	CR1
9067.00	9110.04	Wasatch
9242.00	9285.04	CR2
9572.00	9615.04	CR3
9892.00	9935.04	CR4
10167.00	10210.04	CR4A
10312.00	10355.04	CR5
10482.00	10525.04	CR6
10812.00	10855.04	CR7



Plan: Design #1 (#16-12D-36 BTR/Wellbore #1)

Created By: BRET WOLFORD Date: 18:24, August 25 2011

RECEIVED: September 19, 2011



<b>Database:</b>	EDM 5000.1 EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 5963.00usft
<b>Project:</b>	Duchesne Co., UT	<b>MD Reference:</b>	WELL @ 5963.00usft
<b>Site:</b>	Sec.12-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	#16-12D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Duchesne Co., UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site		Sec.12-T3S-R6W			
Site Position:		Northing:	7,253,899.393 usft	Latitude:	40° 13' 46.459 N
From:	Lat/Long	Easting:	1,918,791.219 usft	Longitude:	110° 30' 10.580 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.64 °

Well	#16-12D-36 BTR					
Well Position	+N/-S	0.00 usft	Northing:	7,253,899.389 usft	Latitude:	40° 13' 46.459 N
	+E/-W	0.00 usft	Easting:	1,918,791.219 usft	Longitude:	110° 30' 10.580 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	5,947.00 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	08/25/11	11.49	65.86	52,285

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	11,112.00	0.00	0.00	266.62

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,569.07	9.38	266.62	4,566.97	-2.26	-38.25	2.00	2.00	0.00	266.62	
7,473.97	9.38	266.62	7,433.03	-30.15	-510.94	0.00	0.00	0.00	0.00	
7,943.04	0.00	0.00	7,900.00	-32.41	-549.19	2.00	-2.00	0.00	180.00	
11,155.04	0.00	0.00	11,112.00	-32.41	-549.19	0.00	0.00	0.00	0.00	



<b>Database:</b>	EDM 5000.1 EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 5963.00usft
<b>Project:</b>	Duchesne Co., UT	<b>MD Reference:</b>	WELL @ 5963.00usft
<b>Site:</b>	Sec.12-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	#16-12D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KOP / Start Build 2.00°</b>									
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	2.00	266.62	4,199.98	-0.10	-1.74	1.75	2.00	2.00	0.00
4,300.00	4.00	266.62	4,299.84	-0.41	-6.97	6.98	2.00	2.00	0.00
4,400.00	6.00	266.62	4,399.45	-0.92	-15.67	15.69	2.00	2.00	0.00
4,500.00	8.00	266.62	4,498.70	-1.64	-27.83	27.88	2.00	2.00	0.00
<b>Green River</b>									
4,564.03	9.28	266.62	4,562.00	-2.21	-37.43	37.50	2.00	2.00	0.00
<b>Start 2904.90' hold at 4569.07 MD</b>									
4,569.07	9.38	266.62	4,566.97	-2.26	-38.25	38.32	2.00	2.00	0.00
4,600.00	9.38	266.62	4,597.49	-2.55	-43.28	43.36	0.00	0.00	0.00
4,700.00	9.38	266.62	4,696.16	-3.51	-59.55	59.66	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 5963.00usft
<b>Project:</b>	Duchesne Co., UT	<b>MD Reference:</b>	WELL @ 5963.00usft
<b>Site:</b>	Sec.12-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	#16-12D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.00	9.38	266.62	4,794.82	-4.47	-75.83	75.96	0.00	0.00	0.00
4,900.00	9.38	266.62	4,893.48	-5.44	-92.10	92.26	0.00	0.00	0.00
5,000.00	9.38	266.62	4,992.14	-6.40	-108.37	108.56	0.00	0.00	0.00
5,100.00	9.38	266.62	5,090.81	-7.36	-124.64	124.86	0.00	0.00	0.00
5,200.00	9.38	266.62	5,189.47	-8.32	-140.92	141.16	0.00	0.00	0.00
<b>Mahogany</b>									
5,278.58	9.38	266.62	5,267.00	-9.07	-153.70	153.97	0.00	0.00	0.00
5,300.00	9.38	266.62	5,288.13	-9.28	-157.19	157.46	0.00	0.00	0.00
5,400.00	9.38	266.62	5,386.79	-10.24	-173.46	173.76	0.00	0.00	0.00
5,500.00	9.38	266.62	5,485.46	-11.20	-189.73	190.06	0.00	0.00	0.00
5,600.00	9.38	266.62	5,584.12	-12.16	-206.00	206.36	0.00	0.00	0.00
5,700.00	9.38	266.62	5,682.78	-13.12	-222.28	222.66	0.00	0.00	0.00
5,800.00	9.38	266.62	5,781.44	-14.08	-238.55	238.96	0.00	0.00	0.00
5,900.00	9.38	266.62	5,880.11	-15.04	-254.82	255.26	0.00	0.00	0.00
6,000.00	9.38	266.62	5,978.77	-16.00	-271.09	271.56	0.00	0.00	0.00
6,100.00	9.38	266.62	6,077.43	-16.96	-287.36	287.86	0.00	0.00	0.00
6,200.00	9.38	266.62	6,176.09	-17.92	-303.64	304.17	0.00	0.00	0.00
6,300.00	9.38	266.62	6,274.76	-18.88	-319.91	320.47	0.00	0.00	0.00
6,400.00	9.38	266.62	6,373.42	-19.84	-336.18	336.77	0.00	0.00	0.00
6,500.00	9.38	266.62	6,472.08	-20.80	-352.45	353.07	0.00	0.00	0.00
6,600.00	9.38	266.62	6,570.74	-21.76	-368.73	369.37	0.00	0.00	0.00
6,700.00	9.38	266.62	6,669.41	-22.72	-385.00	385.67	0.00	0.00	0.00
<b>TGR3</b>									
6,717.83	9.38	266.62	6,687.00	-22.89	-387.90	388.57	0.00	0.00	0.00
6,800.00	9.38	266.62	6,768.07	-23.68	-401.27	401.97	0.00	0.00	0.00
6,900.00	9.38	266.62	6,866.73	-24.64	-417.54	418.27	0.00	0.00	0.00
7,000.00	9.38	266.62	6,965.39	-25.60	-433.81	434.57	0.00	0.00	0.00
7,100.00	9.38	266.62	7,064.06	-26.56	-450.09	450.87	0.00	0.00	0.00
7,200.00	9.38	266.62	7,162.72	-27.52	-466.36	467.17	0.00	0.00	0.00
7,300.00	9.38	266.62	7,261.38	-28.48	-482.63	483.47	0.00	0.00	0.00
7,400.00	9.38	266.62	7,360.04	-29.44	-498.90	499.77	0.00	0.00	0.00
<b>Start Drop -2.00°</b>									
7,473.97	9.38	266.62	7,433.03	-30.15	-510.94	511.83	0.00	0.00	0.00
7,500.00	8.86	266.62	7,458.73	-30.40	-515.06	515.95	2.00	-2.00	0.00
<b>Douglas Creek</b>									
7,548.80	7.88	266.62	7,507.00	-30.81	-522.15	523.06	2.00	-2.00	0.00
7,600.00	6.86	266.62	7,557.78	-31.20	-528.71	529.63	2.00	-2.00	0.00
7,700.00	4.86	266.62	7,657.25	-31.80	-538.90	539.84	2.00	-2.00	0.00
7,800.00	2.86	266.62	7,757.02	-32.20	-545.62	546.57	2.00	-2.00	0.00
7,900.00	0.86	266.62	7,856.96	-32.39	-548.87	549.82	2.00	-2.00	0.00
<b>Start 3212.00' hold at 7943.04 MD</b>									
7,943.04	0.00	0.00	7,900.00	-32.41	-549.19	550.14	2.00	-2.00	0.00
<b>3PT Mkr</b>									
7,950.04	0.00	0.00	7,907.00	-32.41	-549.19	550.14	0.00	0.00	0.00
8,000.00	0.00	0.00	7,956.96	-32.41	-549.19	550.14	0.00	0.00	0.00
8,100.00	0.00	0.00	8,056.96	-32.41	-549.19	550.14	0.00	0.00	0.00
8,200.00	0.00	0.00	8,156.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>Black Shale Facies</b>									
8,200.04	0.00	0.00	8,157.00	-32.41	-549.19	550.14	0.00	0.00	0.00
8,300.00	0.00	0.00	8,256.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>Castle Peak</b>									
8,335.04	0.00	0.00	8,292.00	-32.41	-549.19	550.14	0.00	0.00	0.00
8,400.00	0.00	0.00	8,356.96	-32.41	-549.19	550.14	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 5963.00usft
<b>Project:</b>	Duchesne Co., UT	<b>MD Reference:</b>	WELL @ 5963.00usft
<b>Site:</b>	Sec.12-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	#16-12D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,500.00	0.00	0.00	8,456.96	-32.41	-549.19	550.14	0.00	0.00	0.00
8,600.00	0.00	0.00	8,556.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>Uteland Butte</b>									
8,665.04	0.00	0.00	8,622.00	-32.41	-549.19	550.14	0.00	0.00	0.00
8,700.00	0.00	0.00	8,656.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>CR1</b>									
8,765.04	0.00	0.00	8,722.00	-32.41	-549.19	550.14	0.00	0.00	0.00
8,800.00	0.00	0.00	8,756.96	-32.41	-549.19	550.14	0.00	0.00	0.00
8,900.00	0.00	0.00	8,856.96	-32.41	-549.19	550.14	0.00	0.00	0.00
9,000.00	0.00	0.00	8,956.96	-32.41	-549.19	550.14	0.00	0.00	0.00
9,100.00	0.00	0.00	9,056.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>Wasatch</b>									
9,110.04	0.00	0.00	9,067.00	-32.41	-549.19	550.14	0.00	0.00	0.00
9,200.00	0.00	0.00	9,156.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>CR2</b>									
9,285.04	0.00	0.00	9,242.00	-32.41	-549.19	550.14	0.00	0.00	0.00
9,300.00	0.00	0.00	9,256.96	-32.41	-549.19	550.14	0.00	0.00	0.00
9,400.00	0.00	0.00	9,356.96	-32.41	-549.19	550.14	0.00	0.00	0.00
9,500.00	0.00	0.00	9,456.96	-32.41	-549.19	550.14	0.00	0.00	0.00
9,600.00	0.00	0.00	9,556.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>CR3</b>									
9,615.04	0.00	0.00	9,572.00	-32.41	-549.19	550.14	0.00	0.00	0.00
9,700.00	0.00	0.00	9,656.96	-32.41	-549.19	550.14	0.00	0.00	0.00
9,800.00	0.00	0.00	9,756.96	-32.41	-549.19	550.14	0.00	0.00	0.00
9,900.00	0.00	0.00	9,856.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>CR4</b>									
9,935.04	0.00	0.00	9,892.00	-32.41	-549.19	550.14	0.00	0.00	0.00
10,000.00	0.00	0.00	9,956.96	-32.41	-549.19	550.14	0.00	0.00	0.00
10,100.00	0.00	0.00	10,056.96	-32.41	-549.19	550.14	0.00	0.00	0.00
10,200.00	0.00	0.00	10,156.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>CR4A</b>									
10,210.04	0.00	0.00	10,167.00	-32.41	-549.19	550.14	0.00	0.00	0.00
10,300.00	0.00	0.00	10,256.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>CR5</b>									
10,355.04	0.00	0.00	10,312.00	-32.41	-549.19	550.14	0.00	0.00	0.00
10,400.00	0.00	0.00	10,356.96	-32.41	-549.19	550.14	0.00	0.00	0.00
10,500.00	0.00	0.00	10,456.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>CR6</b>									
10,525.04	0.00	0.00	10,482.00	-32.41	-549.19	550.14	0.00	0.00	0.00
10,600.00	0.00	0.00	10,556.96	-32.41	-549.19	550.14	0.00	0.00	0.00
10,700.00	0.00	0.00	10,656.96	-32.41	-549.19	550.14	0.00	0.00	0.00
10,800.00	0.00	0.00	10,756.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>CR7</b>									
10,855.04	0.00	0.00	10,812.00	-32.41	-549.19	550.14	0.00	0.00	0.00
10,900.00	0.00	0.00	10,856.96	-32.41	-549.19	550.14	0.00	0.00	0.00
11,000.00	0.00	0.00	10,956.96	-32.41	-549.19	550.14	0.00	0.00	0.00
11,100.00	0.00	0.00	11,056.96	-32.41	-549.19	550.14	0.00	0.00	0.00
<b>TD at 11155.04 - #16-12D-36 BTR Tgt</b>									
11,155.04	0.00	0.00	11,112.00	-32.41	-549.19	550.14	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 5963.00usft
<b>Project:</b>	Duchesne Co., UT	<b>MD Reference:</b>	WELL @ 5963.00usft
<b>Site:</b>	Sec.12-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	#16-12D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
#16-12D-36 BTR Tgt	0.00	0.00	11,112.00	-32.41	-549.19	7,253,860.859	1,918,242.425	40° 13' 46.139 N	110° 30' 17.662 W
- plan hits target center									
- Rectangle (sides W200.00 H200.00 D0.00)									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
4,564.03	4,562.00	Green River		0.00		
5,278.58	5,267.00	Mahogany		0.00		
6,717.83	6,687.00	TGR3		0.00		
7,548.80	7,507.00	Douglas Creek		0.00		
7,950.04	7,907.00	3PT Mkr		0.00		
8,200.04	8,157.00	Black Shale Facies		0.00		
8,335.04	8,292.00	Castle Peak		0.00		
8,665.04	8,622.00	Uteland Butte		0.00		
8,765.04	8,722.00	CR1		0.00		
9,110.04	9,067.00	Wasatch		0.00		
9,285.04	9,242.00	CR2		0.00		
9,615.04	9,572.00	CR3		0.00		
9,935.04	9,892.00	CR4		0.00		
10,210.04	10,167.00	CR4A		0.00		
10,355.04	10,312.00	CR5		0.00		
10,525.04	10,482.00	CR6		0.00		
10,855.04	10,812.00	CR7		0.00		

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W	Comment	
(usft)	(usft)	(usft)	(usft)		
4,100.00	4,100.00	0.00	0.00	KOP / Start Build 2.00°	
4,569.07	4,566.97	-2.26	-38.25	Start 2904.90' hold at 4569.07 MD	
7,473.97	7,433.03	-30.15	-510.94	Start Drop -2.00°	
7,943.04	7,900.00	-32.41	-549.19	Start 3212.00' hold at 7943.04 MD	
11,155.04	11,112.00	-32.41	-549.19	TD at 11155.04	



**SURFACE DAMAGE AND RIGHT-OF-WAY SETTLEMENT AGREEMENT**

This Agreement, made and entered into this the 1st day of August, 2011, by and between Cleade and Deborah Ivie, 4556 W 4805 S, Salt Lake City, UT 84118-5327, ("Surface Owner"), and, Bill Barrett Corporation, 1099 18<sup>th</sup> Street, Suite 2300, Denver CO 80202, ("BBC").

WITNESSETH THAT:

WHEREAS, BBC owns undivided interests in certain oil and gas leases ("Leases") covering and affecting Section 12, Township 3 South, Range 6 West, USM, of Duchesne County, Utah; and,

WHEREAS, such leases grant to BBC the right and privilege of ingress, egress, exploring, drilling, mining, operating for, producing and owning oil and gas and all other products produced therewith, together with the right to make surveys on said lands, lay pipelines, construct roads and bridges, dig canals, build power stations, telephone lines, employee houses and other structures on said lands, necessary or useful in BBC's operations; and,

WHEREAS, BBC, pursuant to its rights under the Leases, intends to drill the #16-12D-36 BTR well at a legal drill-site location in the SE1/4SE1/4 of Section 12, Township 3 South, Range 6 West, USM, Duchesne County, Utah; and,

WHEREAS, Surface Owner warrants ownership to the surface of at least specific portions of the SE1/4SE1/4 of Section 12, Township 3 South, Range 6 West, USM, Duchesne County, Utah, and which warranted ownership is further subject to all oil, gas and other mineral rights which are reserved for the use and benefit of the owners thereof; and,

BBC and its heirs, successors and assigns shall maintain all roads used pursuant to this Agreement and shall install culverts where necessary to insure adequate drainage from all roads during the life of the Agreement.

BBC shall repair any fences and gates damaged by them during the course of their operations on the lands subject to this Agreement.

Surface Owner and their heirs or assigns shall have full access and use of the road built pursuant to this Agreement.

This Agreement shall inure to the benefit of the parties hereto, their heirs, successors and assigns and shall be a burden running with the land.

This Agreement may be executed in any number of counterparts and all such counterparts shall be deemed to constitute a single Agreement and the execution of one counterpart by any party hereto shall have the same force and effect as if said party had signed all other counterparts.

IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 1<sup>st</sup> day of August, 2011.

SURFACE OWNERS:

BILL BARRETT CORPORATION:

By: Cleade Ivie  
Cleade Ivie

By: Clint W. Turner  
Clint W. Turner  
As Agent for Bill Barrett Corporation

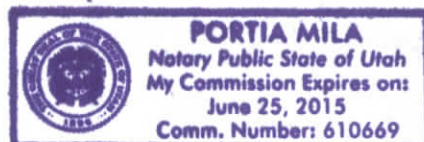
By: Deborah Ivie  
Deborah Ivie

STATE OF UTAH )  
COUNTY OF Utah )

On the 3 day of Aug, 2011, personally appeared before me Cleade Ivie, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purpose and consideration therein expressed.

Portia Mila  
Notary Public  
Residing at: Salt Lake City  
My Commission Expires: 6/25/2015

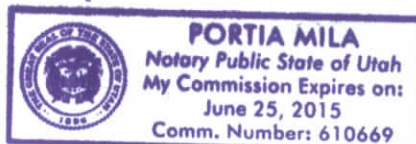
STATE OF UTAH )  
COUNTY OF )



On the 3 day of Aug, 2011, personally appeared before me Deborah Ivie, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purpose and consideration therein expressed.

Portia Mila  
Notary Public  
Residing at: Salt Lake City  
My Commission Expires: 6/25/2015

STATE OF UTAH )  
COUNTY OF SALT LAKE )



On the 16<sup>th</sup> day of August, 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent of Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.



Daniel William Costley  
SALT LAKE CITY, UT

10-24-2014

**SURFACE USE PLAN**

BILL BARRETT CORPORATION

**16-12D-36 BTR Well Pad**

SE SE, 825' FSL and 260' FEL, Section 12, T3S-R6W, USB&M (surface hole)

SE SE, 810' FSL and 810' FEL, Section 12, T3S-R6W, USB&M (bottom hole)

Duchesne County, Utah

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The onsite inspection for this pad occurred on September 7, 2011. Site specific notes, conditions or changes as a result of that onsite are indicated below. Plat changes requested at the onsite are reflected within this APD.

- a. 16 mil minimum liner thickness required;
- b. Jed Burton (neighbor) wants dust controlled since wife has asthma;
- c. Work with county on road culverts if drainage impoundment becomes an issue for the pad;
- d. Round corner 8 and armor with rock;
- e. Leave existing gate in place and construct our own gate at the existing fence;
- f. Production equipment to be located near access entrance.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

- a. The proposed well site is located approximately 11.3 miles northwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The Utah Department of Transportation maintained Highway 40 would be utilized for 6.9 miles to the existing Duchesne County maintained Koch Road that would be utilized for 1.5 miles to the El Paso maintained E-1 pad that would be utilized for 2.8 miles and provides access to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.

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Surface Use Plan  
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- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permits are required.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 74 feet of new access road with 609 feet of existing access road reroute trending northwest is planned from the existing El Paso maintained E-1 access road across entirely private surface (see Topographic Map B).
- b. The planned access road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.

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- h. Turnouts are not proposed.
  - i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
  - j. One locking security gate and no cattle guards are anticipated at this time.
  - k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
  - l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
  - m. The operator would be responsible for all maintenance needs of the new access road.
- 3. Location of Existing Wells (see One-Mile Radius Map):
  - a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:

i. water wells	none
ii. injection wells	none
iii. disposal wells	none
iv. drilling wells	none
v. temp shut-in wells	none
vi. producing wells	four
vii. abandoned wells	four
- 4. Location of Production Facilities
  - a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or gas lift unit with a natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
  - b. Most wells would be fitted with a pump jack or Roto-flex unit or gas lift to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks or Roto-flex units would be small (75 horsepower or less), natural gas-fired internal combustion engines.

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If a gas lift is installed, it would be set on a 10 ft x 15 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by a generator.

- c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.
- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 249 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending southeast to the existing El Paso maintained E-1 pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC and El Paso wells. The pipeline crosses entirely private surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation.



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Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- l. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

- a. Water for the drilling and completion would be trucked from any of the following locations:

<b>Water Right No. and Application or Change No.</b>	<b>Applicant</b>	<b>Allocation</b>	<b>Date</b>	<b>Point of Diversion</b>	<b>Source</b>
43-180	Duchesne City Water Service District	5 cfs	8/13/2004	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	5.49 cfr and 3967 acre feet	3/21/1986	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	2 cfs	1994	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	1.58 cfs	1994	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	7 cfs	1946	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.



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6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from the lease or EDA area.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

Disposal Facilities
1. RNI Industries, Inc. – Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
3. RN Industries, Inc. – Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W

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<b>Disposal Facilities</b>
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley

- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO<sub>2</sub> gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels,

Bill Barrett Corporation  
Surface Use Plan  
#16-12D-36 BTR  
Duchesne County, UT

separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. A surface powerline corridor 185 feet in length with an existing powerline reroute of 642 feet is proposed for installation by third-party installer within a 150 foot wide powerline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 400 feet x 275 feet with an inboard reserve pit size of 235 feet x 70 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.

Bill Barrett Corporation  
Surface Use Plan  
#16-12D-36 BTR  
Duchesne County, UT

- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency or the fee landowners.
- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and

Bill Barrett Corporation  
Surface Use Plan  
#16-12D-36 BTR  
Duchesne County, UT

scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.

- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Ute Tribe prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface ownership – Ivie Cleade
- b. Mineral ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as report 11-222 dated August 22, 2011 and report 11-155 dated July 20, 2011.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
  - No dogs or firearms within the Project Area.
  - No littering within the Project Area.
  - Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
  - Campfires or uncontained fires of any kind would be prohibited.
  - Portable generators used in the Project Area would have spark arrestors.

Bill Barrett Corporation  
Surface Use Plan  
#16-12D-36 BTR  
Duchesne County, UT

d. Disturbance estimates:

**Approximate Acreage Disturbances**

Well Pad		3.313	acres
Access	683 feet	0.470	acres
Pipeline	249 feet	0.154	acres
Powerline	827 feet	2.761	acres
<b>Total</b>		<b>6.698</b>	<b>acres</b>

Bill Barrett Corporation  
Surface Use Plan  
#16-12D-36 BTR  
Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

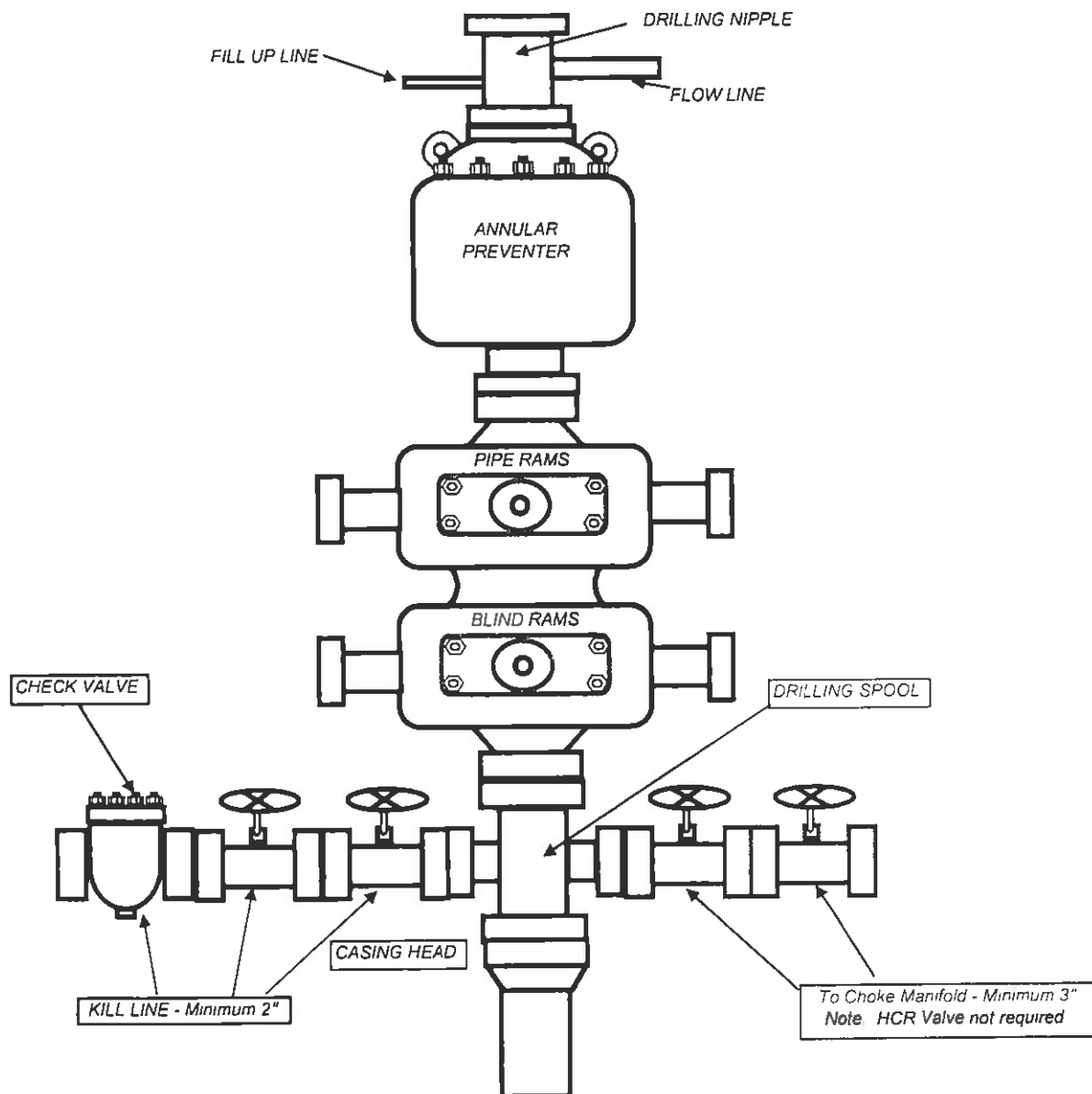
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this 19<sup>th</sup> day of September 2011  
Name: Venessa Langmacher  
Position Title: Senior Permit Analyst  
Address: 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202  
Telephone: 303-312-8172  
E-mail: vlangmacher@billbarrettcorp.com  
Field Representative Kary Eldredge / Bill Barrett Corporation  
Address: 1820 W. Highway 40, Roosevelt, UT 84066  
Telephone: 435-725-3515 (office); 435-724-6789 (mobile)  
E-mail: keldredge@billbarrettcorp.com

Venessa Langmacher  
Venessa Langmacher, Senior Permit Analyst

## BILL BARRETT CORPORATION

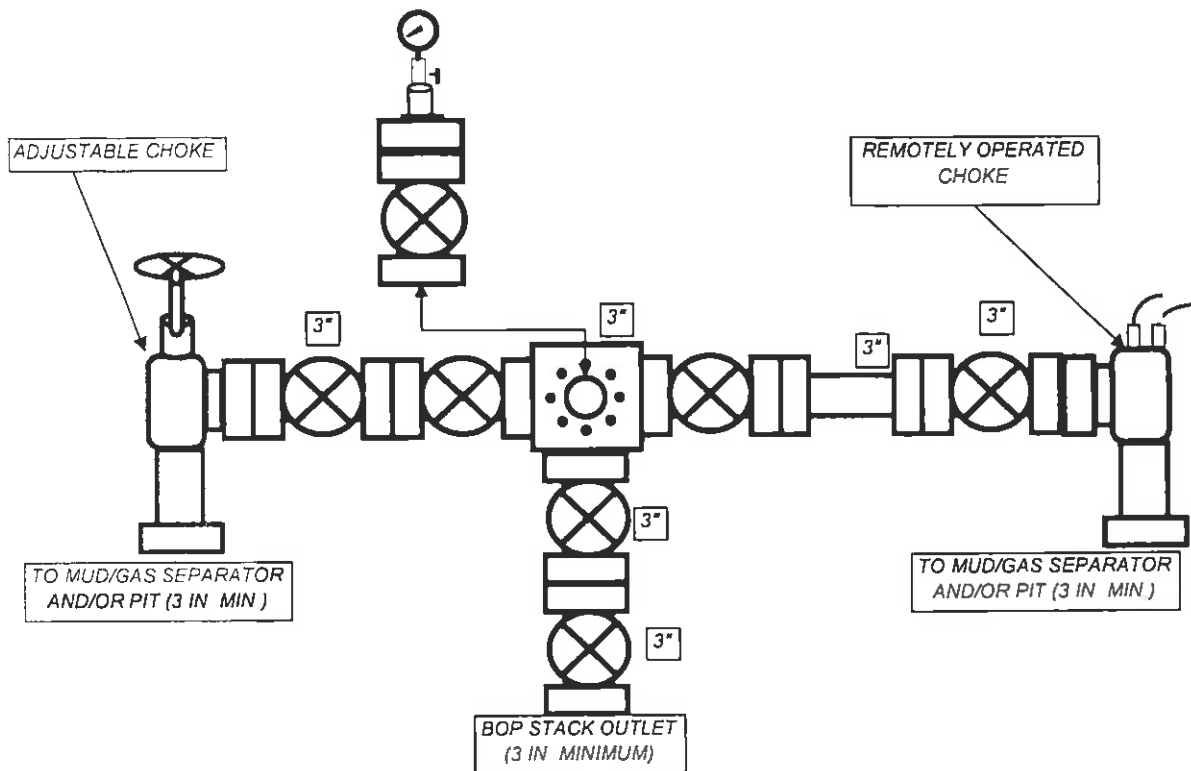
### TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER





## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





September 19, 2011

Ms. Diana Mason – Petroleum Technician  
State of Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
**Blacktail Ridge Area #16-12D-36 BTR Well**  
Surface: 825' FSL & 260' FEL, SESE, 12-T3S-R6W, USM  
Bottom Hole: 810' FSL & 810' FEL SESE, 12-T3S-R6W, USM  
Duchesne County, Utah


Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

  
David Watts  
Landman

1099 18<sup>TH</sup> STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420

**RECEIVED: September 19, 2011**

**BILL BARRETT CORPORATION****TYPICAL CROSS SECTIONS FOR**

#16-12D-36 BTR

SECTION 12, T3S, R6W, U.S.B.&amp;M.

825' FSL 260' FEL

**FIGURE #2**

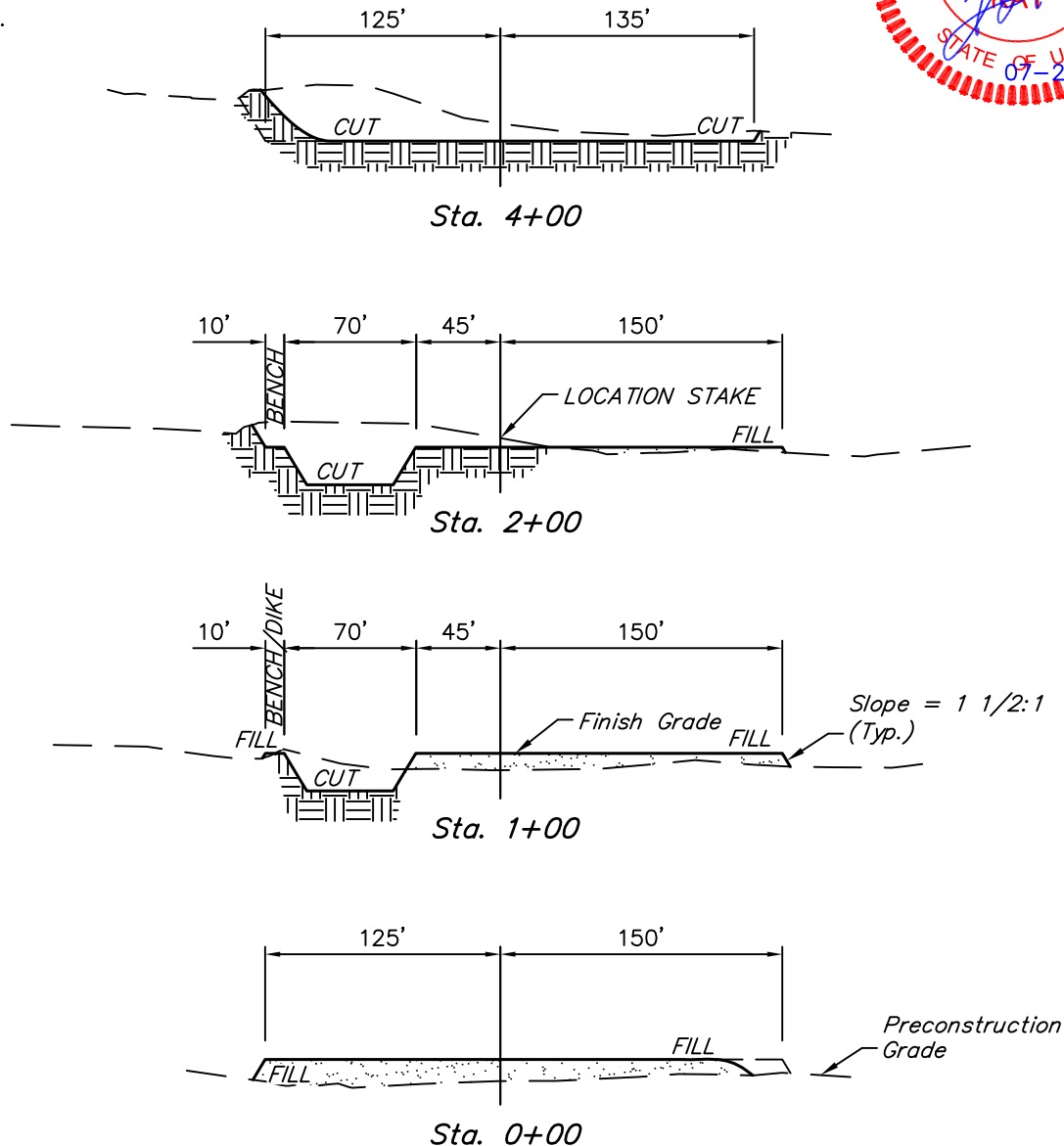
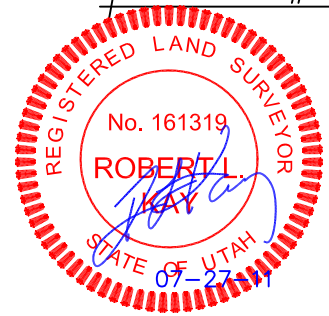
X-Section  
Scale  
1" = 40'  
1" = 100'

SCALE: 1" = 60'

DATE: 04-13-11

DRAWN BY: C.H.

REV: 07-11-11 K.O.

**NOTE:**

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

**\* NOTE:**  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping = 2,210 Cu. Yds.  
Remaining Location = 14,080 Cu. Yds.  
**TOTAL CUT = 16,290 CU.YDS.**  
**FILL = 5,630 CU.YDS.**

EXCESS MATERIAL = 10,660 Cu. Yds.  
Topsoil & Pit Backfill = 4,140 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 6,520 Cu. Yds.  
(After Interim Rehabilitation)

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**RECEIVED: September 19, 2011**

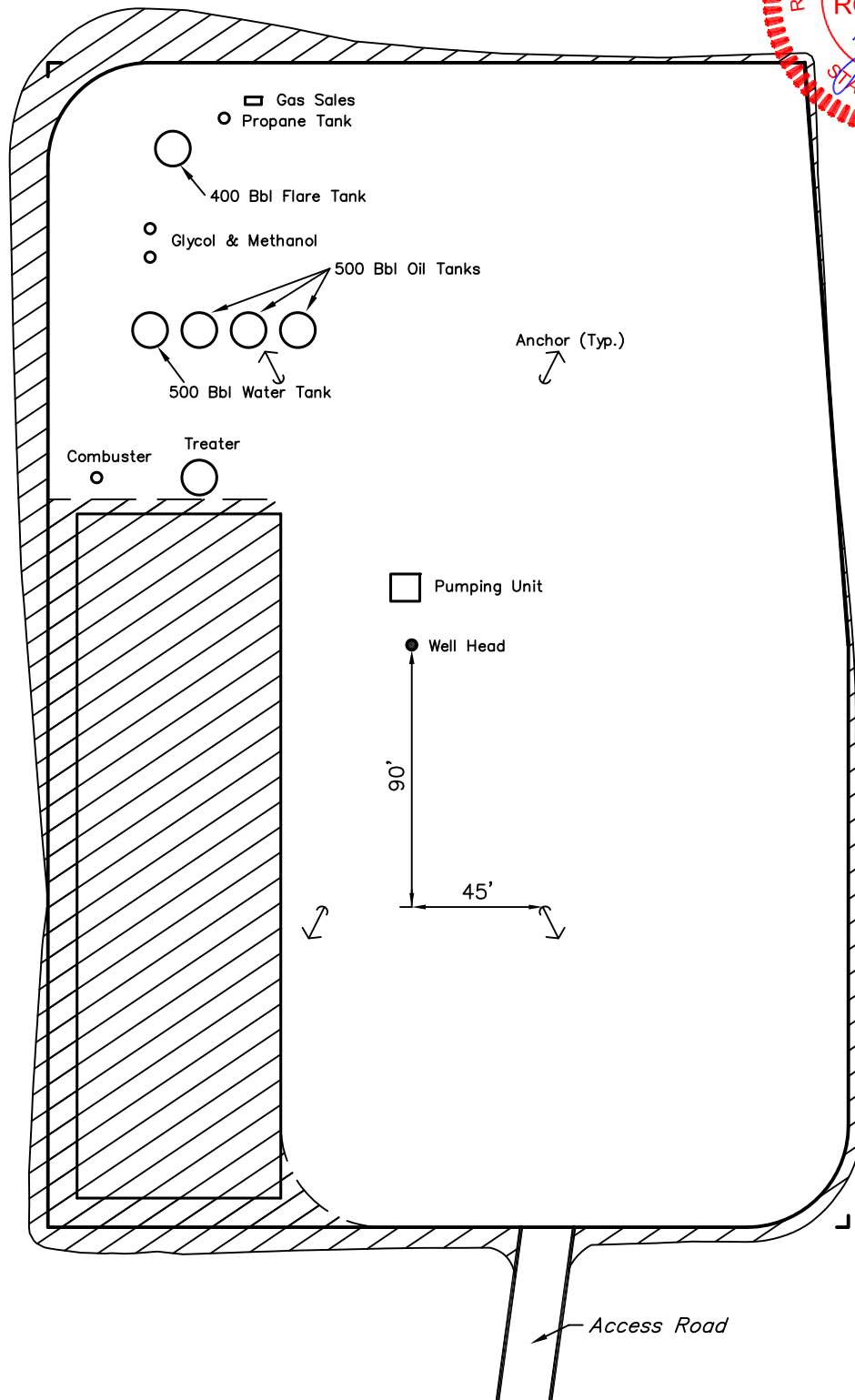
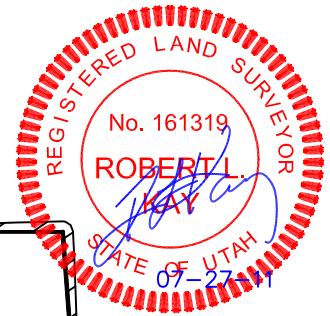




**BILL BARRETT CORPORATION**  
**INTERIM RECLAMATION PLAN FOR**  
**#16-12D-36 BTR**  
**SECTION 12, T3S, R6W, U.S.B.&M.**  
**825' FSL 260' FEL**

**FIGURE #4**

SCALE: 1" = 60'  
 DATE: 07-12-11  
 DRAWN BY: K.O.

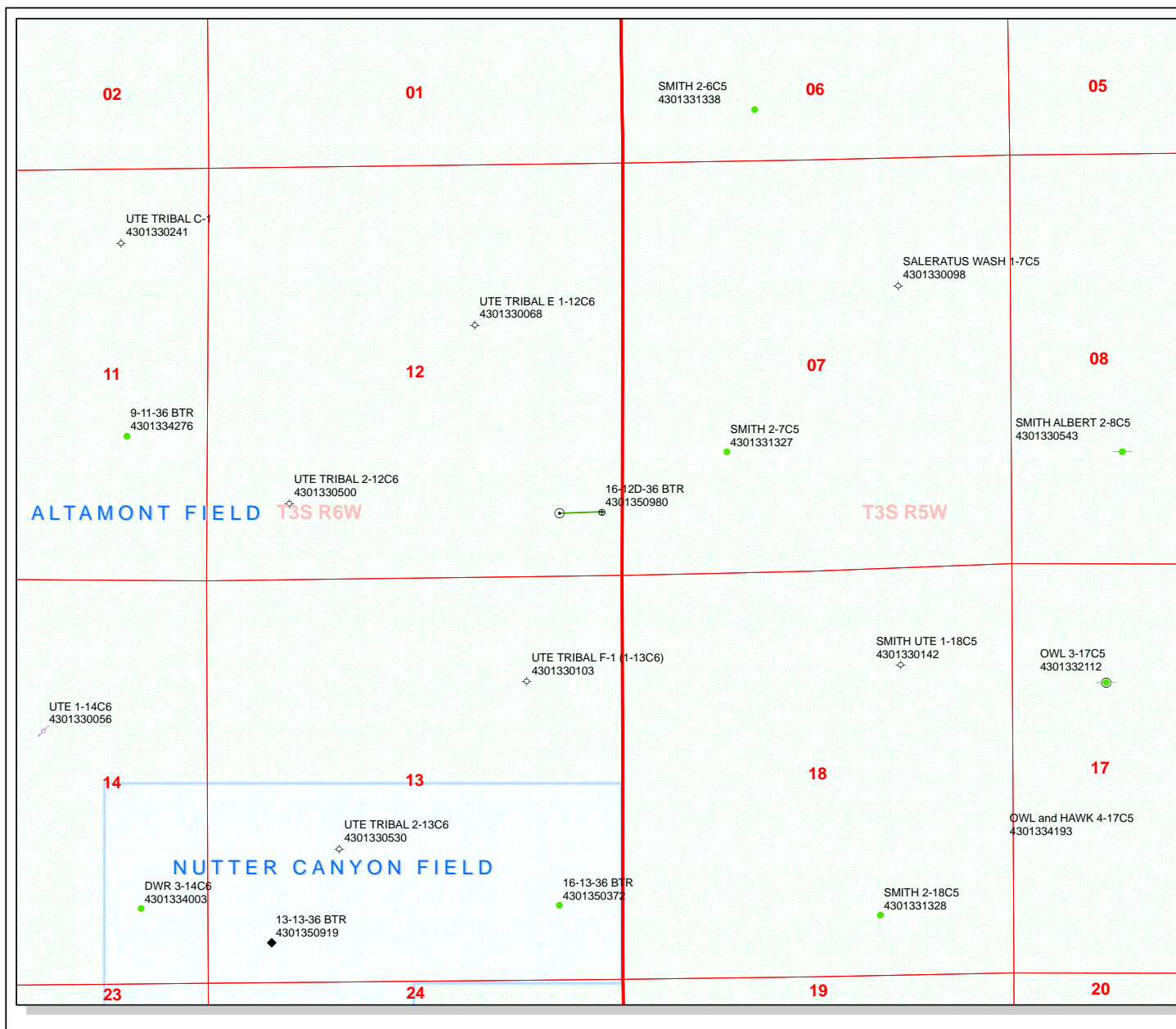


INTERIM RECLAMATION

**APPROXIMATE ACREAGES**  
 UN-RECLAIMED = ± 2.014 ACRES

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

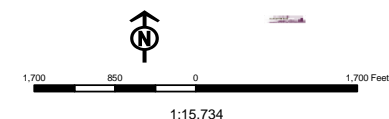
**RECEIVED: September 19, 2011**



**API Number: 4301350980**  
**Well Name: 16-12D-36 BTR**  
**Township T0.3 . Range R0.6 . Section 12**  
**Meridian: UBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
 Map Produced by Diana Mason

Units	Wells Query
<b>STATUS</b>	<b>Status</b>
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERML	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
<b>Fields</b>	<b>STATUS</b>
Unknown	SGW - Shut-in Gas Well
ABANDONED	SOW - Shut-in Oil Well
ACTIVE	TA - Temp. Abandoned
COMBINED	TW - Test Well
INACTIVE	WDW - Water Disposal
STORAGE	WW - Water Injection Well
TERMINATED	WSW - Water Supply Well



**ON-SITE PREDRILL EVALUATION****Utah Division of Oil, Gas and Mining**

<b>Operator</b>	BILL BARRETT CORP				
<b>Well Name</b>	16-12D-36 BTR				
<b>API Number</b>	43013509800000	<b>APD No</b>	4665	<b>Field/Unit</b>	ALTAMONT
<b>Location: 1/4,1/4</b>	SESE	<b>Sec</b>	12	<b>Tw</b>	3.0S
		<b>Rng</b>	6.0W	825	FSL 260 FEL
<b>GPS Coord (UTM)</b>	542352	4453153	<b>Surface Owner</b>	Cleade and Deborah Ivie	

**Participants**

Jed Burton (neighbor, land owner representative), James Hereford (BLM), Kelly Jo Jackson (Archeologist), Roger Knight (BBC, dirt supervisor), Kary Eldredge (BBC), Trevor Anderson (UELS, surveyor), Don Hamilton (Starpont, permit agent)

**Regional/Local Setting & Topography**

This well is set on a small rocky knoll in middle of a large draw with a dry wash to the east. At times storm water is not contained to the wash but spreads out across the floor of the draw and over much of the east side of the proposed location. Drainage from this location is to the south through the wash to Starvation Reservoir approximately 2 miles south. Black Tail Mountain is approximately 2 miles to the north.

**Surface Use Plan****Current Surface Use**

Wildlfe Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.04	<b>Width</b> 265 <b>Length</b> 400	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

**Environmental Parameters****Affected Floodplains and/or Wetlands** Y

Storm water at times spreads over the east oside of location

**Flora / Fauna**

Deer, elk, coyote, rabbits and other small mammals, song birds, raptors  
Sage, prickly pear cactus, grasses, shadscale, rabbit brush

**Soil Type and Characteristics**

Sandy loam soil

**Erosion Issues** Y

East side of location must hve rip rap to ensure storm flows stays in wash

**Sedimentation Issues** N

**Site Stability Issues** Y

Storm water must be kept from washing away east side of location

**Drainage Diverson Required?** Y



**Berm Required? Y****Erosion Sedimentation Control Required? N****Paleo Survey Run? Y   Paleo Potential Observed? N   Cultural Survey Run? Y   Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	100 to 200	15
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
	<b>Final Score</b>	35      1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit will be placed in cut in a stable location. The pit will be 70ft x 235ft x 8ft deep with a total capacity including freeboard of 12,960bbl. Kary Eldredge of BBC said they will use a 16 mil liner with a felt sub-liner and this will be adequate for the site.

**Closed Loop Mud Required? N   Liner Required? Y   Liner Thickness 16   Pit Underlayment Required? Y****Other Observations / Comments**

Richard Powell  
**Evaluator**

9/7/2011  
**Date / Time**

# Application for Permit to Drill

## Statement of Basis

9/27/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
4665	43013509800000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	Cleade and Deborah Ivie	
<b>Well Name</b>	16-12D-36 BTR		<b>Unit</b>		
<b>Field</b>	ALTAMONT		<b>Type of Work</b>	DRILL	
<b>Location</b>	SESE 12 3S 6W U 825 FSL 260 FEL		GPS Coord (UTM)	542367E	4453120N

**Geologic Statement of Basis**

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill  
APD Evaluator

9/27/2011  
Date / Time

**Surface Statement of Basis**

This onsite inspection was scheduled by James Hereford in cooperation with Bill Barrett Corporation. Land owner Ivie Cleade was invited but did not attend, but the land owner asked neighbor Jed Burton to attend in his place. Mr. Burton stated that Mr. Cleade was satisfied with the location siting and that the location had been sited where it is at Mr. Cleades request.

Mr. Burton expressed that it is important to the land owner that there be a locked gate. However, Mr Kary Eldredge of BBC said that BBC would rather fence the entire location and access to avoid the need for a locked gate. This was acceptable to mr. Burton and the preferred method to allow the property to be secured.

According to land owner representative Jed Burton storm water backs up to the south of the location due to insufficient culvert capacity. It does not appear that this will affect the location but Kary Eldredge expressed that Bill Barrett would make necessary upgrades to that county road if it is determined they are needed.

There is a dry wash on the east side of the location which sometimes allows storm water to fan out across the draw and cover part of the proposed location. The wash must be fixed with rip rap or other means to keep storm water off the location. Roger Knight and Kary Eldredge agreed to this.

Richard Powell  
Onsite Evaluator

9/7/2011  
Date / Time

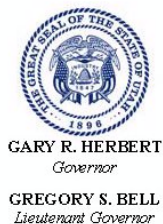
**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location, and the wash on the east side of the location must be stabalized with rock or other means to ensure storm water is not allowed to erode the east side of the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

**RECEIVED: September 27, 2011**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 9/19/2011**API NO. ASSIGNED:** 43013509800000**WELL NAME:** 16-12D-36 BTR**OPERATOR:** BILL BARRETT CORP (N2165)**PHONE NUMBER:** 303 312-8172**CONTACT:** Venessa Langmacher**PROPOSED LOCATION:** SESE 12 030S 060W**Permit Tech Review:** ☒**SURFACE:** 0825 FSL 0260 FEL**Engineering Review:** ☐**BOTTOM:** 0810 FSL 0810 FEL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.22933**LONGITUDE:** -110.50200**UTM SURF EASTINGS:** 542367.00**NORTHINGS:** 4453120.00**FIELD NAME:** ALTAMONT**LEASE TYPE:** 2 - Indian**LEASE NUMBER:** 2OG0005608**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH**SURFACE OWNER:** 4 - Fee**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** INDIAN - LPM8874725☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 43-180☐ **RDCC Review:**☒ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:**☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 139-84**Effective Date:** 12/31/2008**Siting:** 660' Fr Drl U Bdry & 1320' Fr Other Wells☒ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:**  
4 - Federal Approval - dmason  
5 - Statement of Basis - bhll  
15 - Directional - dmason**RECEIVED: September 27, 2011**



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** 16-12D-36 BTR  
**API Well Number:** 43013509800000  
**Lease Number:** 2OG0005608  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 9/27/2011

**Issued to:**

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>



**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 20 2011

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 20G0005608
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No.
Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		8. Lease Name and Well No. 16-12D-36 BTR
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420	9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESE 825FSL 260FEL 40.229572 N Lat, 110.502939 W Lon At proposed prod. zone SESE 810FSL 810FEL 40.229483 N Lat, 110.504906 W Lon		10. Field and Pool, or Exploratory ALTAMONT 43-013-50980
14. Distance in miles and direction from nearest town or post office* 11.3 MILES NORTHWEST OF DUCHESNE, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 12 T3S R6W Mer UBM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 810' (BOTTOM HOLE)	16. No. of Acres in Lease 66101.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2325'	19. Proposed Depth 11155 MD 11112 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5947 GL	22. Approximate date work will start 01/01/2012	17. Spacing Unit dedicated to this well 640.00
		20. BLM/BIA Bond No. on file LPM8874725
		23. Estimated duration 60 DAYS (D&C)

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-312-8172	Date 09/19/2011
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date FEB 13 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #117880 verified by the BLM Well Information System  
For BILL BARRETT CORPORATION, sent to the Vernal  
Committed to AFMSS for processing by LESLIE ROBINSON on 09/23/2011 ()

UDOGM

NOTICE OF APPROVAL

RECEIVED

FEB 28 2012

DIV. OF OIL, GAS & MINING

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

CONDITIONS OF APPROVAL ATTACHED

11550799AS

1155 2/24/11



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Bill Barrett Corporation  
Well No: 16-12D-36 BTR  
API No: 43-013-50980

Location: SESE, Sec.12, T3S R6W  
Lease No: 2OG0005608  
Agreement: N/A

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a>
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**CONDITIONS OF APPROVAL:**

- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Production facilities will be painted Beetle Green to blend in with the surrounding habitat.
- Wood that will be removed will be piled up along well access road, and around well pad. This can be used by the land owner, or for reclamation purposes.
- The reserve pit will be lined with a 20 mil liner to help prevent any leaks from occurring.
- Production equipment will be placed towards the front of the pad to maximize interim reclamation efforts.
- Dust control on road areas to comply with surface owners directions.
- Corner #8 of the proposed well pad will be rounded and armored with rock.
- Gate will be constructed at the existing fence as indicated on well plats.
- Culverts at main county road as indicated on the onsite will have to be maintained and improved to control seasonal runoff concerns.
- Site reclamation would be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact surface owner or the BLM for possible seed mixes to use in the project area. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.



**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 400 ft above the surface casing shoe.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and

Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent

Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 20G0005608
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 16-12D-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0825 FSL 0260 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 12 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509800000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/1/2013</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> <b>APD EXTENSION</b> OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

BBC requests a one year extension for the subject APD.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: August 28, 2012

By:

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/16/2012	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013509800000**

API: 43013509800000

Well Name: 16-12D-36 BTR

Location: 0825 FSL 0260 FEL QTR SESE SEC 12 TWNP 030S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 9/27/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Venessa Langmacher

Date: 8/16/2012

Title: Senior Permit Analyst Representing: BILL BARRETT CORP

**RECEIVED: Aug. 16, 2012**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 16-12D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013509800000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0825 FSL 0260 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 03.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/28/2012	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was spud on 9/28/2012 at 9:30 am by Triple A Drilling.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 02, 2012

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 10/2/2012

## BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling  
Submitted By Venessa Langmach Phone Number 303-312-8172  
Well Name/Number 16-12D-36 BTR  
Qtr/Qtr SE SE Section 12 Township 3S Range 6W  
Lease Serial Number 2OG0005608  
API Number 4301350980

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 9/28/2012 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing  
☐ Intermediate Casing  
☐ Production Casing  
☐ Liner  
☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point  
☐ BOPE test at intermediate casing point  
☐ 30 day BOPE test  
☐ Other

RECEIVED

SEP 27 2012

DIV. OF OIL, GAS &amp; MINING

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_  
\_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		STATE: UTAH

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CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well spud 9/28/2012; no other September 2012 monthly drilling activity to report.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 05, 2012

NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A		DATE 10/2/2012



*T03S R06 W S-12*

**From:** pat506 <pat506@billbarrettcorp.com>  
**To:** "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" ...  
**CC:** Tracey Fallang <tfallang@billbarrettcorp.com>, Venessa Langmacher <vlang...  
**Date:** 10/16/2012 9:40 PM  
**Subject:** PATT 506 24 HR NOTICE...

GOOD EVENING;

THIS IS A 24 HR TO A ROUGH 30HR NOTICE FOR SURFACE CSG. RUN & CEMENT JOB. ALSO A  
ROUGH 36 HR TO 40 HR. NOTICE FOR NIPPLE UP AND PSI TESTING OF BOP'S ON THE 16-12D-36  
BTR, API#43-013-50980...

IF THERE ARE ANY QUESTIONS, COMMENTS, AND/OR CONCERNS CONTACT 435-828-6095 OR  
970-361-3264...

BILL BARRETT CORP.  
PATTERSON 506  
435-828-6095  
970-361-3264

RECEIVED

OCT 17 2012

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Bill Barrett Corporation Operator Account Number: N 2165  
Address: 1099 18th Street, Suite 2300  
city Denver  
state CO zip 80202 Phone Number: (303) 312-8172

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350980	16-12D-36 BTR		SESE	12	3S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	new	18748	9/28/2012		10/24/2012		
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 9:30 am. GR-WS BHL: SESE							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED  
OCT 03 2012

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

Title

10/2/2012

Date

T035 R06W S12 4301350980

**From:** pat506 <pat506@billbarrettcorp.com>  
**To:** pat506 <pat506@billbarrettcorp.com>, "caroldaniels@utah.gov" <caroldanie...  
**CC:** Tracey Fallang <tfallang@billbarrettcorp.com>, Venessa Langmacher <vlang...  
**Date:** 10/21/2012 5:47 AM  
**Subject:** RE: PATT 506 24 HR NOTICE...

Good Morning

Ran into some lost circ problems should be running surface casing late tonight 10/21/12

thank you

Monte Long

BBC

Patterson 506

---

From: pat506

Sent: Tuesday, October 16, 2012 9:40 PM

To: caroldaniels@utah.gov; dennisingram@utah.gov; richardpowell@utah.gov; ut\_vn\_opreport@blm.gov

Cc: Tracey Fallang; Venessa Langmacher

Subject: PATT 506 24 HR NOTICE...

GOOD EVENING;

THIS IS A 24 HR TO A ROUGH 30HR NOTICE FOR SURFACE CSG. RUN & CEMENT JOB. ALSO A ROUGH 36 HR TO 40 HR. NOTICE FOR NIPPLE UP AND PSI TESTING OF BOP'S ON THE 16-12D-36 BTR, API#43-013-50980...

IF THERE ARE ANY QUESTIONS, COMMENTS, AND/OR CONCERNS CONTACT 435-828-6095 OR 970-361-3264...

BILL BARRETT CORP.

PATTERSON 506

435-828-6095

970-361-3264

RECEIVED

OCT 23 2012

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 16-12D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013509800000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0825 FSL 0260 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 03.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

October 2012 monthly drilling activity report is attached.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 07, 2012

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 11/7/2012

**16-12D-36 BTR 10/10/2012 12:00 - 10/11/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	9.00	21:00	1	RIGUP & TEARDOWN	RIGGING DOWN WITH CREW'S & TRUCK'S...
21:00	9.00	06:00	21	OPEN	WAIT ON DAYLIGHT...

**16-12D-36 BTR 10/11/2012 06:00 - 10/12/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	21	OPEN	WAIT ON DAYLIGHT...
07:00	12.00	19:00	1	RIGUP & TEARDOWN	MOVING RIG WITH TRUCK'S...
19:00	11.00	06:00	21	OPEN	WAIT ON TRUCK'S...

**16-12D-36 BTR 10/12/2012 06:00 - 10/13/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	21	OPEN	WAIT ON DAYLIGHT
07:00	11.00	18:00	1	RIGUP & TEARDOWN	MOVE RIG AND RIG UP WITH WEST ROC TRUCKING
18:00	12.00	06:00	1	RIGUP & TEARDOWN	RIG UP WITH CREW'S

**16-12D-36 BTR 10/13/2012 06:00 - 10/14/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	21	OPEN	FINISH RIGGING UP, PRE SPUD RIG INSP., AND WAITING ON NEW REAMERS...
10:30	3.50	14:00	20	DIRECTIONAL WORK	P/U AND ORIENTATE DIRECTIONAL TOOL'S...
14:00	16.00	06:00	2	DRILL ACTUAL	TAG UP @ 99' BIT WT= 10K RPM= 35 SPM= 140

**16-12D-36 BTR 10/14/2012 06:00 - 10/15/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	2	DRILL ACTUAL	BIT WT= 18K RPM=45 SPM= 140
14:00	0.50	14:30	7	LUBRICATE RIG	SERVICE RIG
14:30	3.50	18:00	2	DRILL ACTUAL	BIT WT= 20K RPM= 40 SPM= 140

**16-12D-36 BTR 10/15/2012 06:00 - 10/16/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	2	DRILL ACTUAL	BIT WT= 20K RPM= 40 SPM= 140
07:30	5.50	13:00	5	COND MUD & CIRC	PUMP SWEEPS AND LET SOAK, WHILE PATTERSON CHGED OUT SWIVEL PACKING...
13:00	2.00	15:00	2	DRILL ACTUAL	BIT WT= 20K RPM= 40 SPM= 140
15:00	0.50	15:30	5	COND MUD & CIRC	PUMP SWEEPS AND REBUILD LOSSES...



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:30	0.50	16:00	2	DRILL ACTUAL	BIT WT= 20K RPM= 40 SPM= 140
16:00	1.50	17:30	5	COND MUD & CIRC	CIRC., PUMP SWEEPS, AND REBUILD LOSSES...
17:30	0.50	18:00	7	LUBRICATE RIG	SERVICE RIG...
18:00	0.50	18:30	5	COND MUD & CIRC	CIRC. & COND. AND REBUILD LOSSES...
18:30	4.50	23:00	2	DRILL ACTUAL	BIT WT= 20K RPM= 40 SPM= 150
23:00	1.00	00:00	5	COND MUD & CIRC	CIRC. & COND. REBUILD LOSSES...
00:00	2.50	02:30	2	DRILL ACTUAL	BIT WT= 20K RPM= 40 SPM=150
02:30	3.50	06:00	5	COND MUD & CIRC	CIRC. & COND., REBUILD LOSSES...

**16-12D-36 BTR 10/16/2012 06:00 - 10/17/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	5	COND MUD & CIRC	CIRC. & REBUILD LOSSES...
08:30	5.50	14:00	2	DRILL ACTUAL	BIT WT= 24K RPM= 40 SPM= 140
14:00	0.50	14:30	7	LUBRICATE RIG	SERVICE RIG...
14:30	6.00	20:30	2	DRILL ACTUAL	BIT WT= 24K RPM= 40 SPM=140
20:30	9.50	06:00	5	COND MUD & CIRC	CIRC. & COND. MUD, REBUILD LOSSES...

**16-12D-36 BTR 10/17/2012 06:00 - 10/18/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	5	COND MUD & CIRC	CIRC. AND REBUILD LOSSES...
11:00	1.00	12:00	6	TRIPS	T.O.O.H. 10 STD'S
12:00	2.50	14:30	5	COND MUD & CIRC	ESTABLISH CIRC., & REBUILD VOLUME...
14:30	0.50	15:00	6	TRIPS	T.I.H. 5 STD'S...
15:00	2.00	17:00	5	COND MUD & CIRC	CIRC. & COND., REBUILD VOLUME, AND RAISE LCM %...
17:00	0.50	17:30	6	TRIPS	T.I.H. 5 STD'S...
17:30	10.00	03:30	2	DRILL ACTUAL	BIT WT= 24K RPM= 40 SPM= 140
03:30	0.50	04:00	7	LUBRICATE RIG	SERVICE RIG...
04:00	2.00	06:00	2	DRILL ACTUAL	BIT WT= 28K RPM=40 SPM=140

**16-12D-36 BTR 10/18/2012 06:00 - 10/19/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	2	DRILL ACTUAL	Drill/Slide 3277-3313
07:00	0.50	07:30	5	COND MUD & CIRC	Lost Returns
07:30	1.50	09:00	2	DRILL ACTUAL	Drill 3313-3340
09:00	1.00	10:00	5	COND MUD & CIRC	Circ. f/ trip displace DP w/ clean mud
10:00	3.50	13:30	6	TRIPS	POOH change MM & Bit
13:30	0.50	14:00	7	LUBRICATE RIG	Rig Service
14:00	2.50	16:30	6	TRIPS	TIH
16:30	13.50	06:00	2	DRILL ACTUAL	Drill 3340-3510

**16-12D-36 BTR 10/19/2012 06:00 - 10/20/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	Drill/slide 3510-3658
15:30	0.50	16:00	7	LUBRICATE RIG	Rig Service
16:00	8.50	00:30	2	DRILL ACTUAL	Drill/Slide 3658-3781 Well turning to the South
00:30	5.50	06:00	5	COND MUD & CIRC	Lost Full Returns pump high LCM sweeps and work pipe. Spot sweep on bottom & pull 5 stds.

**16-12D-36 BTR 10/20/2012 06:00 - 10/21/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	5	COND MUD & CIRC	Circ. build sweep
07:30	0.50	08:00	6	TRIPS	Trip out 5 stds
08:00	2.00	10:00	5	COND MUD & CIRC	Circ and pump lcm sweep build volume work pipe returns while swabbing
10:00	0.50	10:30	6	TRIPS	Trip out 5 stds
10:30	2.50	13:00	5	COND MUD & CIRC	Circ and pump lcm sweep build volume work pipe returns while swabbing spot 42% lcm sweep
13:00	2.50	15:30	6	TRIPS	POOH laydown reamers and change bit
15:30	1.50	17:00	20	DIRECTIONAL WORK	Orient tools change batteries in MWD
17:00	2.00	19:00	6	TRIPS	Trip in to 1874' break circ. full returns
19:00	1.50	20:30	5	COND MUD & CIRC	Build volume in active and pre-mix before finish trip in
20:30	2.50	23:00	6	TRIPS	TIH to 3757 stage in break circ @ 2824' & 3297' full returns
23:00	0.50	23:30	3	REAMING	Pump LCM sweep and wash to 3781'
23:30	6.50	06:00	2	DRILL ACTUAL	Drilling 3781-3897 Full Returns

**16-12D-36 BTR 10/21/2012 06:00 - 10/22/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	2	DRILL ACTUAL	Drill 3897-3947 Last survey @ 3952 2.50 inc. 269.84 az
11:00	0.50	11:30	7	LUBRICATE RIG	Rig service
11:30	1.50	13:00	2	DRILL ACTUAL	Drill 3947-4015 TD f/ Surface
13:00	1.50	14:30	5	COND MUD & CIRC	Circ. 2 sweeps
14:30	3.50	18:00	6	TRIPS	POOH
18:00	2.00	20:00	6	TRIPS	Safety Meeting w/ Franks, RU laydown machine, LD 8" & Dir. tools
20:00	9.00	05:00	12	RUN CASING & CEMENT	Held Safety meeting w/ Franks rig up casers run 9 5/8 casing
05:00	1.00	06:00	12	RUN CASING & CEMENT	Safety meeting w/ Halliburton & rig up

**16-12D-36 BTR 10/22/2012 06:00 - 10/23/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	12	RUN CASING & CEMENT	Cement w/ halliburton No Returns pump 4-175 sk top jobs 1 1/2 -2 hrs between jobs
18:00	0.50	18:30	12	RUN CASING & CEMENT	Morn. tour crew held safety meeting w/ Halliburton
18:30	0.50	19:00	12	RUN CASING & CEMENT	Pump 36.5 bbl 175 sks top job No Returns
19:00	3.00	22:00	13	WAIT ON CEMENT	WOC
22:00	1.00	23:00	12	RUN CASING & CEMENT	Pump 36.5 bbl 175 sks top job No Returns
23:00	3.00	02:00	13	WAIT ON CEMENT	WOC
02:00	1.00	03:00	12	RUN CASING & CEMENT	Pump 36.5 bbl 175 sks top job No Returns
03:00	3.00	06:00	13	WAIT ON CEMENT	WOC

**16-12D-36 BTR 10/23/2012 06:00 - 10/24/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	13	WAIT ON CEMENT	WOC
09:00	1.00	10:00	12	RUN CASING & CEMENT	Pump 175 sks 15.8# top out
10:00	3.00	13:00	13	WAIT ON CEMENT	WOC
13:00	1.00	14:00	12	RUN CASING & CEMENT	Pump 24.5bbl 15.8# top out
14:00	4.00	18:00	13	WAIT ON CEMENT	WOC
18:00	8.50	02:30	14	NIPPLE UP B.O.P	Cutoff casing & weld on wellhead,Nipple Up
02:30	3.50	06:00	15	TEST B.O.P	Test BOP equipment as follows: Blind Rams,Pipe Rams,Choke line,IBOP,Choke Manifold Upper & Lower Kelly Valve and Safety valve to 5000 psi. Hold f/ 10 min. Test Annular to 2500 psi. hold f/ 10 min.

**16-12D-36 BTR 10/24/2012 06:00 - 10/25/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	15	TEST B.O.P	Test casing to 1500psiand hold f/30 min.
07:00	0.50	07:30	21	OPEN	set wear bushing
07:30	1.50	09:00	20	DIRECTIONAL WORK	Pick up dirc tools and orient
09:00	2.00	11:00	6	TRIPS	Trip in tag up @ 3965
11:00	1.50	12:30	22	OPEN	Drill float equip.
12:30	0.50	13:00	2	DRILL ACTUAL	drilling formation 4015-4031
13:00	0.50	13:30	23	OPEN	Fit 10.5 equivalent 438 psi held 430 f/ 15 min
13:30	3.50	17:00	2	DRILL ACTUAL	Drill/slide 4031-4237
17:00	0.50	17:30	7	LUBRICATE RIG	Rig service
17:30	12.50	06:00	2	DRILL ACTUAL	Drill 4237-4681

**16-12D-36 BTR 10/25/2012 06:00 - 10/26/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Drill/Slide 4681-5094
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service
17:00	13.00	06:00	2	DRILL ACTUAL	Drill/Slide 5094-5538

**16-12D-36 BTR 10/26/2012 06:00 - 10/27/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Drill/Slide 5538-5853
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service
17:00	13.00	06:00	2	DRILL ACTUAL	Drill/Slide 5853-6172 Slide footage-228' rotate -448'

**16-12D-36 BTR 10/27/2012 06:00 - 10/28/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Drill/Slide 6172-6521
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service
17:00	13.00	06:00	2	DRILL ACTUAL	Drill/Slide 6521-6850

**16-12D-36 BTR 10/28/2012 06:00 - 10/29/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Drill/Slide 6850-7252

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service
17:00	13.00	06:00	2	DRILL ACTUAL	Drill/Slide 7252-7684

**16-12D-36 BTR 10/29/2012 06:00 - 10/30/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,408.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Drill/Slide 7684-8139
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service
17:30	7.50	01:00	2	DRILL ACTUAL	Drill/Slide 8139-8388 Lost Returns
01:00	1.00	02:00	5	COND MUD & CIRC	Circ high LCM sweeps and bring active to 10-15%
02:00	4.00	06:00	2	DRILL ACTUAL	Drill/Slide 8388-8431

*T O 3 S R 0 6 W 5 - 1 2*

**From:** pat506 <pat506@billbarrettcorp.com>  
**To:** "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" ...  
**CC:** Tracey Fallang <tfallang@billbarrettcorp.com>, Venessa Langmacher <vlang...  
**Date:** 11/5/2012 7:40 AM  
**Subject:** 24 HR NOTICE FOR CSG. RUN & CMT JOB

GOOD MORNING ALL;

THIS IS A 24 HR NOTICE FOR CSG, AND CMT JOB FOR WELL# 16-12D-36 BTR, API#  
43-013-50980...

IF THERE ARE ANY QUESTIONS, COMMENTS, AND/OR CONCERNS CONTACT 435-828-6095 OR  
970-361-3264

THANKS

BILL BARRETT CORP.  
PATTERSON 506.  
435-828-6095  
970-361-3264

RECEIVED

NOV 06 2012

DIV. OF OIL, GAS & MINING



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 16-12D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013509800000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0825 FSL 0260 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 03.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/3/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

November 2012 monthly drilling activity report is attached.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 December 04, 2012

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 12/3/2012

**16-12D-36 BTR 11/1/2012 06:00 - 11/2/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	BIT WT= 24 K RPM= 50 SPM=160
12:00	0.50	12:30	21	OPEN	CHG OUT ROT. HEAD RUBBERS
12:30	2.00	14:30	2	DRILL ACTUAL	BIT WT= 24K RPM= 50 SPM= 160
14:30	0.50	15:00	7	LUBRICATE RIG	SERVICE RIG
15:00	15.00	06:00	2	DRILL ACTUAL	BIT WT= 24 K RPM= 50 SPM= 150

**16-12D-36 BTR 11/2/2012 06:00 - 11/3/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	5	COND MUD & CIRC	CIRC. & COND. MUD., PUMP SWEEP, & DRY JOB...
07:00	6.00	13:00	6	TRIPS	TRIP FOR BIT & MUD MTR
13:00	1.00	14:00	20	DIRECTIONAL WORK	CHGE OUT BIT & MTR'S RESCRIBE & ORIENTATE
14:00	6.50	20:30	6	TRIPS	T.I.H...
20:30	9.50	06:00	2	DRILL ACTUAL	BIT WT= 15K RPM= 50 SPM=150

**16-12D-36 BTR 11/3/2012 06:00 - 11/4/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	BIT WT= 15K RPM=55 SPM=150
17:30	0.50	18:00	7	LUBRICATE RIG	SERVICE RIG
18:00	12.00	06:00	2	DRILL ACTUAL	BIT WT=15K RPM=55 SPM= 170

**16-12D-36 BTR 11/4/2012 06:00 - 11/5/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	2	DRILL ACTUAL	BIT WT= 15K RPM= 55 SPM= 160
15:00	1.00	16:00	5	COND MUD & CIRC	CIRC. & COND. MUD, PUMP SWEEPS
16:00	0.50	16:30	7	LUBRICATE RIG	SERVICE RIG
16:30	3.00	19:30	6	TRIPS	SHORT TRIP TO LAST BIT TRIP
19:30	1.00	20:30	5	COND MUD & CIRC	CIRC. & COND. MUD
20:30	6.00	02:30	6	TRIPS	TRIP FOR LOGS
02:30	3.50	06:00	11	WIRELINE LOGS	R/U AND LOG WELL WITH HALLIBURTON SERVICES

**16-12D-36 BTR 11/5/2012 06:00 - 11/6/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	11	WIRELINE LOGS	OPEN HOLE LOGS WITH HALLIBURTON... LOGGERS DEPTH= 10,550.00'
10:00	6.50	16:30	6	TRIPS	T.I.H...

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
16:30	0.50	17:00	7	LUBRICATE RIG	SERVICE RIG
17:00	2.00	19:00	5	COND MUD & CIRC	CIRC. & COND. MUD, AND RIG UP L/D TRUCK & CREW...
19:00	11.00	06:00	21	OPEN	L/D D.P. , AND BREAK KELLY ALL THE WAY DOWN

**16-12D-36 BTR 11/6/2012 06:00 - 11/7/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	21	OPEN	L/D D.P. AND D.C.'S, BREAK KELLY DOWN...
06:30	0.50	07:00	22	OPEN	PULL WEAR BUSHING...
07:00	11.00	18:00	12	RUN CASING & CEMENT	R/U AND RUN CSG. WITH FRANK'S WESTATES... RAN 251 JT'S OF 5.5", 17.0#, P-110 CSG WITH 80 CENTRALIZERS, & 3 MKR JT'S TO A DEPTH OF 10540.0'
18:00	2.00	20:00	5	COND MUD & CIRC	CIRC WITH RIG PUMP...
20:00	4.50	00:30	12	RUN CASING & CEMENT	R/U AND PUMP CMT WITH HALLIBURTON... PUMPED 50 BBL'S OF WATER, SUPER FLUSH, WATER... PUMPED 409 BBL'S/985 SX'S OF 11.0#, LEAD CMT... PUMPED 172 BBL'S/680 SX'S OF 13.5#, TAIL CMT... PUMPED 242.5 BBL'S OF DISPLACEMENT WATER
00:30	1.00	01:30	14	NIPPLE UP B.O.P	NIPPLE DOWN STACK
01:30	1.00	02:30	23	OPEN	SET SLIPS AND ROUGH CUT CSG... SLIPS SET AT 140K
02:30	3.50	06:00	22	OPEN	CLEANING STEEL PITS

**16-12D-36 BTR 11/8/2012 06:00 - 11/9/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com

**16-12D-36 BTR 11/13/2012 06:00 - 11/14/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CLEAN CELLAR. PAD CELLAR WITH DIRT. CHECK PRESSURE. ND NIGHT CAP. MAKE FINAL CUT ON 5-1/2" 17# CSG. NU 7" 5K TBG HEAD. PRES TEST VOID.

**16-12D-36 BTR 11/14/2012 06:00 - 11/15/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOGG	Logging	MIRU SLB. RUN GR/JB. TAG AT 10,418'. FC AT 10,452'. 34' FILL. RUN CBL/GR/CCL/TEMP. LOG WITH 1000 PSI. BHT 217*. TOC 3260'. SJ 9904'-9936', 9075'-9091', AND 7654'-7676'. RDMO SLB.

**16-12D-36 BTR 11/25/2012 06:00 - 11/26/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set Frac Line. Filling Frac Line

**16-12D-36 BTR 11/26/2012 06:00 - 11/27/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Construction Crew Working On Facilities. Filling Frac Line.

**16-12D-36 BTR 11/27/2012 06:00 - 11/28/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	SET SAND TRAP. SET 10K CHOKE MANIFOLD. PLUMB IN FLOW BACK EQUIP TO FBT. CONSTRUCTION FINISHED.

**16-12D-36 BTR 11/28/2012 06:00 - 11/29/2012 06:00**

API/UWI 43013509800000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	25.00	07:00	PTST	Pressure Test	HSM. CHECK PRESSURE. ND NIGHT CAP. NU FRAC MANDREL, FRAC VALVES, AND FRAC HEAD. HOOK UP TO FLOW LINES. PRES TEST CSG, FRAC VALVES, SAND TRAP, MANIFOLD AND FLOW LINES.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 20G0005608
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 16-12D-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0825 FSL 0260 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 12 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509800000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>12/5/2012</b>	<input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME		
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

This well had first gas sales on 12/5/12.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**FOR RECORD ONLY**

December 12, 2012

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/11/2012	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 16-12D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013509800000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0825 FSL 0260 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 03.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/2/2013			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

December 2012 monthly drilling activity report is attached.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 January 03, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 1/2/2013

**16-12D-36 BTR 12/1/2012 06:00 - 12/2/2012 06:00**

API/UWI 43-013-50980	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	PFRT	Perforating	ALL PERFS CORRELATED TO HES DSN/SD/DL LOG DATED 11/5/12 AND SLB CBL/GR/CCL DATED 11/14/12, (SET DOWN 10,418) GUNS ARE 3-1/8" EXP WITH 3104 PJO, 23 GR, .38" EHD, 36" PENT, 3 SPF ON 120* PHASING.  HSM. MIRU SLB WITH 10K LUBE. PU PERF GUNS FOR STAGE 1 INTO LUBE. 0 PSI. OPEN WELL. RIH TO CORRELATE JS AT '. RUN DOWN AND PERF CR-5, CR-4A AND CR-4 FORM 10,398' TO 1,099' WITH 48 HOLES IN 16' NET. COULDN'T FIND SWITCH FOR GUN #2. ARRANGE GUNS TO PERF AS PULL UP. POOH AND MU 1' PERF GUN AND WT BAR. RIH AND SHOT LAST PERF AT 10,099'. POOH AND VERIFY ALL GUNS SHOT. SHUT WELL IN.
12:00	18.00	06:00	GOP	General Operations	WELL SHUT IN AND SECURE

**16-12D-36 BTR 12/2/2012 06:00 - 12/3/2012 06:00**

API/UWI 43-013-50980	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	FRAC	Frac. Job	HES AOL 04:00. START AND PRIME PUMPS. QC FLUIDS. PRES TEST. HSM (FALL PROTECTION, PARKING)  FRAC STG #1- CR-4, CR-4A, AND CR-5 PERFS 10,099'-10,398' 48 HOLES IN 16' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 330 PSI AT 05:20 BREAK DOWN 3330 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 96 BIO BALLS FOR DIVERSION. 9.7 BPM AT 3326 PSI. FLUSH W/ 9910 GAL. 29.3 BPM AT 4217 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 69.9 BPM AT 6295 PSI. ISIP 3263. FG .76. PERFS OPEN 25/48. CONT FR PAD. 70.0 BPM AT 6032 PSI. STAGE TO .75 PPA 100# MESH. 69.7 BPM AT 6101 PSI. ON PERFS 69.7 BPM AT 6511 PSI. STAGE TO 1 PPA 20/40 CRC. 69.7 BPM AT 6301 PSI. ON PERFS 69.3 BPM AT 6101 PSI STAGE TO 2 PPA 20/40 CRC. 69.4 BPM AT 6015 PSI. ON PERFS 69.5 BPM AT 5606 PSI. STAGE TO 3 PPA 20/40 CRC. 69.4 BPM AT 5547 PSI. ON PERFS 69.5 BPM AT 5251 PSI. STAGE TO 3.5 PPA 20/40 CRC. 69.6 BPM AT 5241 PSI. ON PERFS 69.6 BPM AT 5183 PSI. STAGE TO 4 PPA 20/40 CRC. 69.4 BPM AT 5220 PSI. ON PERFS 69.4 BPM AT 5185 PSI. FLUSH 70.0 BPM AT 5722 PSI. WSI WITH 3500 PSI. TURN OVER TO WIRELINE.  ISIP 3511 PSI MAX RATE 70.1 BPM AVE RATE 69.7 BPM PMP 13,800# 100 MESH. SLK WTR 73,591 GAL BWTR 3282 BBLS  FG .74 MAX PRES 6516 PSI AVE PRES 5860 PSI 134,300# 20/40 CRC. (TOTAL PROP 148,100#) 20# HYBOR G (16) 60,291 GAL 250 LBS SCALE SORB 3
08:00	2.00	10:00	PFRT	Perforating	PERF STG #2- PU EXELLIS 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUB AND EQUALIZE 3300 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 9904'-9926'. RUN DOWN AND SET CBP AT 10,069' WITH 3100 PSI. PULL UP AND PERF CR-3 AND CR-4 FORM 9786'-10,049' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 2700 PSI.  NOTE: -1' CORRELATION 9785' THRU 9868' FROM OH LOG.

Report Printed: 1/2/2013



# Bill Barrett Corporation

## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
13:30	1.50	15:00	FRAC	Frac. Job	<p>FRAC STG #3- CR-2 AND CR-3 PERFS 9494'-9755' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 8900 PSI. OPEN WELL W/ -36 PSI AT 11:55 BREAK DOWN 2881 PSI AT 9.7 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 9.7 BPM AT 2755 PSI. FLUSH W/ 9400 GAL. 30.8 BPM AT 3729 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.2 BPM AT 5660 PSI. ISIP 2807. FG .73. PERFS OPEN 27/45. CONT FR PAD. 72.1 BPM AT 5122 PSI. STAGE TO .75 PPA 100# MESH. 72.0 BPM AT 5476 PSI. ON PERFS 71.9 BPM AT 5613 PSI. STAGE TO 1 PPA 20/40 CRC. 71.0 BPM AT 5400 PSI. ON PERFS 71.9 BPM AT 5251 PSI. STAGE TO 2 PPA 20/40 CRC. 71.7 BPM AT 5165 PSI. ON PERFS 71.7 BPM AT 4912 PSI. STAGE TO 3 PPA 20/40 CRC. 71.7 BPM AT 4910 PSI. ON PERFS 71.7 BPM AT 4917 PSI. STAGE TO 3.5 PPA 20/40 CRC. 71.7 BPM AT 4962 PSI. ON PERFS 71.7 BPM AT 5280 PSI. SHARP INCREASE IN NET PRESSURE AND SLOPE. CUT SAND AND FLUSH. FLUSH 70.1 BPM AT 5492 PSI. (GOT 65% OF DESIGN) WSI WITH 3400 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 3783 PSI                      FG .83  MAX RATE 72.2 BPM              MAX PRES 5700 PSI  AVE RATE 71.9 BPM              AVE PRES 5224 PSI  PMP 13,700# 100 MESH.              90,300# 20/40 CRC. (TOTAL PROP 104,000#)  SLK WTR 63,169 GAL              20# HYBOR G (16) 62,004 GAL  BWTR 3032 BBLS                      250 LBS SCALE SORB 3</p>
15:00	2.00	17:00	PFRT	Perforating	<p>PERF STG #4- PU EXELLIS 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUB AND EQUALIZE 3300 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 9074'-9091'. RUN DOWN AND SET CBP AT 9486' WITH 3000 PSI. PULL UP AND PERF WASATCH AND CR-2 FORM 9201'-9463' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 1200 PSI.</p> <p>NOTE: -3' CORRELATION 9201' THRU 9463' FROM OH LOG.</p>

Start Time	Dur (hr)	End Time	Code	Category	Com
17:00	1.50	18:30	FRAC	Frac. Job	<p>FRAC STG #4- WASATCH AND CR-2 PERFS 9201'-9463' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9000 PSI. OPEN WELL W/ 1097 PSI AT 14:55 BREAK DOWN 3220 PSI AT 9.5 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 2752 PSI. FLUSH W/ 9348 GAL. 29.8 BPM AT 3418 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 72.4 BPM AT 4140 PSI. ISIP 2491. FG .70. PERFS OPEN 41/45. CONT FR PAD. 71.9 BPM AT 4044 PSI. STAGE TO .75 PPA 100# MESH. 71.9 BPM AT 4213 PSI. ON PERFS 71.9 BPM AT 4368 PSI. STAGE TO 1 PPA 20/40 CRC. 71.8 BPM AT 4437 PSI. ON PERFS 71.8 BPM AT 4307 PSI STAGE TO 2 PPA 20/40 CRC. 71.6 BPM AT 4221 PSI. ON PERFS 71.6 BPM AT 4072 PSI. STAGE TO 3 PPA 20/40 CRC. 71.6 BPM AT 4044 PSI. ON PERFS 71.9 BPM AT 3960 PSI. STAGE TO 3.5 PPA 20/40 CRC. 71.4 BPM AT 3958 PSI. ON PERFS 71.7 BPM AT 4011 PSI. STAGE TO 4 PPA 20/40 CRC. 71.5 BPM AT 4099 PSI. ON PERFS 71.7 BPM AT 4265 PSI. FLUSH 71.7 BPM AT 4895 PSI. WSI WITH 3150 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 3222 PSI                      FG .78 MAX RATE 72.2 BPM            MAX PRES 4448 PSI AVE RATE 71.8 BPM            AVE PRES 4141 PSI PMP 13,300# 100 MESH.         140,100# 20/40 CRC. (TOTAL PROP 1053,400#) SLK WTR 76,168 GAL            20# HYBOR G (16) 59,191 GAL BWTR 3317 BBLs                250 LBS SCALE SORB 3</p>
18:30	1.50	20:00	PFRT	Perforating	<p>PERF STG #5- PU EXELLIS 5-1/2" 10K CBP AND GUNS FOR STAGE 5 INTO LUB AND EQUALIZE 2800 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 9074'-9091'. RUN DOWN AND SET CBP AT 9155' WITH 2200 PSI. PULL UP AND PERF CR -1 AND WASATCH FORM 8893'-9131' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. END WITH 1200 PSI. POOH W/ WIRELINE. BLEED DOWN AND BLOW FLOW LINE DRY.</p> <p>NOTE: -3' CORRELATION 9201' THRU 9463' FROM OH LOG.</p>
20:00	10.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50980	Utah	Duchesne	Black Tail Ridge	COMPLETION	10,555.0	Drilling & Completion

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	SMTG	Safety Meeting	HES AOL 06:00. START AND PRIME UP PUMPS. PRES TEST TO 9000 PSI. HOLD SAFETY MTG. CHECK PRESSURES. SICP 0.

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	1.50	08:30	FRAC	Frac. Job	<p>FRAC STG #5- CR-1 AND WASATCH PERFS 8893'-9131' 45 HOLES IN 15' NET.            PRESSURE TEST LINES TO 9000 PSI.            OPEN WELL W/ 0 PSI AT 07:10            BREAK DOWN 2635 PSI AT 9.7 BPM.            PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 9.7 BPM AT 1925 PSI.            FLUSH W/ 7663 GAL. 29.5 BPM AT 3095 PSI. ATTEMPT BALL OUT.            SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL.            STAGE FR PAD. STABLE RATE OF 72.4 BPM AT 4407 PSI. ISIP 1959. FG .66.            PERFS OPEN 28/45.            CONT FR PAD. 72.6 BPM AT 4177 PSI.            STAGE 100# MESH .75 PPA. PAD 72.6 BPM AT 4339 PSI. ON PERF 72.5 BPM AT 4402 PSI            STAGE TO 1 PPA 20/40 CRC. 72.6 BPM AT 4243 PSI. ON PERF 72.5 BPM AT 4124 PSI.            STAGE TO 2 PPA 20/40 CRC. 72.2 BPM AT 4014 PSI. ON PERFS 72.2 BPM AT 3888 PSI.            STAGE TO 3 PPA 20/40 CRC. 72.1 BPM AT 3838 PSI. ON PERFS 72.2 BPM AT 3696 PSI.            STAGE TO 3.5 PPA 20/40 CRC. 71.8 BPM AT 3670 PSI. ON PERFS 71.9 BPM AT 3660 PSI.            STAGE TO 4 PPA 20/40 CRC. 71.9 BPM AT 3673 PSI. ON PERFS 71.9 BPM AT 3699 PSI.            FLUSH 72.4 BPM AT 4105 PSI.            WSI WITH 600 PSI. TURN OVER TO WIREFLINE.</p> <div style="display: flex; justify-content: space-between;"> <div>             ISDP 2675              MAX RATE 72.8 BPM              AVE RATE 72.3 BPM              PMP 14,100# 100# MESH              PROP )              SLK WTR 78,642 GAL              250 LBS SCALE SORB 3           </div> <div>             FG .73              MAX PRES 4811 PSI              AVE PRES 4068 PSI              150,000# 20/40 CRC. (TOTAL 164,100#              20# HYBOR G (16) 63,786 GAL              BWTR 3485 BBLS           </div> </div>
08:30	1.50	10:00	PFRT	Perforating	<p>PERF STG #6- PU EXELLIS 5-1/2" 10K CBP AND GUNS FOR STAGE 6 INTO LUB AND EQUALIZE 2300 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7654'-7676'. RUN DOWN AND SET CBP AT 8886' WITH 1500 PSI. RUN DOWN AND PERF UTELAND BUTTE AND CR-1 FORM 8612'-8861' WITH 42 HOLES IN 14' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 800 PSI.</p> <p>NOTE: -5' CORRELATION TO OH LOG.</p>



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:00	1.50	11:30	FRAC	Frac. Job	<p>FRAC STG #6- UTELAND BUTTE AND CR-1 PERFS 8612'-8861' 42 HOLES IN 14' NET.            PRESSURE TEST LINES TO 8900 PSI.            OPEN WELL W/ 489 PSI AT 10:10            BREAK DOWN 2660 PSI AT 9.7 BPM.            PMP 3900 GAL 15% HCL ACID W/ 84 BIO BALLS FOR DIVERSION. 9.4 BPM AT 2107 PSI.            FLUSH W/ 8465 GAL. 30.7 BPM AT 3006 PSI. ATTEMPT BALL OUT.            SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL.            STAGE FR PAD. STABLE RATE OF 68.7 BPM AT 3648 PSI. ISIP 1840. FG .65.            PERFS OPEN 35/42.            CONT FR PAD. 72.9 BPM AT 3660 PSI.            STAGE 100# MESH .75 PPA. PAD 71.9 BPM AT 3940 PSI. ON PERF 72.0 BPM AT 4000 PSI            STAGE TO 1 PPA 20/40 CRC. 71.8 BPM AT 3930 PSI. ON PERF 71.8 BPM AT 3821 PSI.            STAGE TO 2 PPA 20/40 CRC. 71.5 BPM AT 3719 PSI. ON PERFS 71.6 BPM AT 3557 PSI.            STAGE TO 3 PPA 20/40 CRC. 71.2 BPM AT 3495 PSI. ON PERFS 71.1 BPM AT 3401 PSI.            STAGE TO 3.5 PPA 20/40 CRC. 71.2 BPM AT 3447 PSI. ON PERFS 71.1 BPM AT 3533 PSI.            STAGE TO 4 PPA 20/40 CRC. 71.0 BPM AT 3583 PSI. ON PERFS 71.0 BPM AT 3600 PSI.            FLUSH 72.0 BPM AT 4300 PSI.            WSI WITH 2600 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 3055                      FG .79            MAX RATE 72.9 BPM              MAX PRES 4309 PSI            AVE RATE 71.7 BPM              AVE PRES 3685 PSI            PMP 14,100# 100# MESH              150,200# 20/40 CRC. (TOTAL 164,300# PROP)            SLK WTR 75,290 GAL              20# HYBOR G (16) 65,883 GAL            250 LBS SCALE SORB 3              BWTR 3454 BBLS</p>
11:30	1.50	13:00	PFRT	Perforating	<p>PERF STG #7- PU EXELLIS 5-1/2" 10K CBP AND GUNS FOR STAGE 7 INTO LUB AND EQUALIZE 2200 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7654'-7676'. RUN DOWN AND SET CBP AT 8605' WITH 1800 PSI. RUN DOWN AND PERF CASTLE PEAK FORM 8346'-8582' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 0 PSI.</p> <p>NOTE: -6' CORRELATION TO OH LOG.</p>

Start Time	Dur (hr)	End Time	Code	Category	Com
13:00	1.50	14:30	FRAC	Frac. Job	<p>FRAC STG #7- CASTLE PEAK PERFS 8346'-8582' 45 HOLES IN 15' NET.  PRESSURE TEST LINES TO 8900 PSI.  OPEN WELL W/ 0 PSI AT 13:10  BREAK DOWN 1275 PSI AT 9.7 BPM.  PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 9.7 BPM AT 870 PSI.  FLUSH W/ 8465 GAL. 29.2 BPM AT 1536 PSI. ATTEMPT BALL OUT.  SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL.  STAGE FR PAD. STABLE RATE OF 72.3 BPM AT 3669 PSI. ISIP 1049. FG .56.  PERFS OPEN 28/45.  CONT FR PAD. 71.9 BPM AT 3440 PSI.  STAGE 100# MESH .75 PPA. PAD 71.6 BPM AT 3758 PSI. ON PERF 71.7 BPM AT 3631 PSI  STAGE TO 1 PPA 20/40 CRC. 71.8 BPM AT 3366 PSI. ON PERF 71.7 BPM AT 3185 PSI.  STAGE TO 2 PPA 20/40 CRC. 71.5 BPM AT 3125 PSI. ON PERFS 71.5 BPM AT 2989 PSI.  STAGE TO 3 PPA 20/40 CRC. 71.5 BPM AT 2952 PSI. ON PERFS 71.4 BPM AT 2834 PSI.  STAGE TO 3.5 PPA 20/40 CRC. 71.1 BPM AT 2759 PSI. ON PERFS 71.4 BPM AT 2835 PSI.  STAGE TO 4 PPA 20/40 CRC. 71.2 BPM AT 2843 PSI. ON PERFS 71.2 BPM AT 2914 PSI.  FLUSH 7.8 BPM AT 3760 PSI.  WSI WITH 1900 PSI. TURN OVER TO WIRELINE.</p> <div style="display: flex; justify-content: space-between;"> <div>ISDP 1966 MAX RATE 72.8 BPM AVE RATE 71.7 BPM PMP 12,490# 100# MESH PROP) SLK WTR 77,337 GAL 250 LBS SCALE SORB 3</div> <div>FG .67 MAX PRES 3811 PSI AVE PRES 3231 PSI 141,640# 20/40 CRC. (TOTAL 154,130#  20# HYBOR G (16) 63,906 GAL BWTR 3481 BBLS</div> </div>
14:30		14:30	WLWK	Wireline	<p>SETTING KILL PLUG- PU EXELLIS 5-1/2" 10K CBP AND SETTING TOOL INTO LUB AND EQUALIZE 400 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7654'-7676'. RUN DOWN AND SET KILL PLUG AT 8300' WITH 0 PSI. BECAME STUCK ON PLUG, DID NOT SHEAR. WORK WIRELINE TO GET FREE FROM PLUG. POOH.</p>
14:30		14:30	GOP	General Operations	WELL SHUT IN AND SECURE. RDMO HES AND SLB. BLOW FLOW LINES DRY.

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL.
07:00	1.00	08:00	RMOV	Rig Move	ROAD RIG FROM 5-20-46 TO LOCATION.
08:00	3.00	11:00	SRIG	Rig Up/Down	SPOT AND RUSU. CHECK PRES. ND FRAC VALVES. INSTALL HANGER W/ BULL PLUG. NU BOP. NU HYDRIL. RU FLOOR. HOOK UP FRONTIER AND PRES TEST STACK AND VALVES 400 LOW/ 4000 HIGH. PULL HANGER.
11:00	1.00	12:00	GOP	General Operations	UNLOAD AND PREP TBG. MU 4-3/4" BIT, POBS, 1-JT 2-7/8" TBG, 2.31 XN.
12:00	4.00	16:00	RUTB	Run Tubing	RIH AS PU TBG. TAG KILL PLUG AT 8300' WITH #262. LD 1-JT.
16:00	1.00	17:00	GOP	General Operations	RU PWR SWIVEL. RU PUMP LINES.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	8.50	15:30	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. TEST CIRC EQUIPMENT TO 1500 PSI, HELD GOOD.  BREAK CIRC. D/O KILL PLUG @ 8300', LOST CIRC, WELL ON VACUUM.  SWIVEL IN HOLE. BREAK CIRC. D/O CBP @ 8605'. LOST CIRC, WELL ON VACUUM.  SWIVEL IN HOLE. BREAK CIRC. D/O CBP @ 8886', LOST CIRC, WELL ON VACUUM.  SWIVEL IN HOLE. BREAK CIRC. D/O CBP @ 9155'. FCP- 150 ON 28/64 CHOKE.  SWIVEL IN HOLE. D/O CBP @ 9486'. FCP- 250 ON 28/64 CHOKE.  SWIVEL IN HOLE. D/O CBP @ 9780'. FCP- 900 ON 28/64 CHOKE.  SWIVEL IN HOLE. D/O CBP @ 10,069'. FCP- 1250 ON 28/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 10,300'. C/O TO FLOAT COLLAR @ 10,452. D/O F/C & C/O CMT TO 10,524'. CIRC WELL CLEAN FOR 1 HR. R/D SWIVEL. FCP- 550.
15:30	1.50	17:00	PULT	Pull Tubing	POOH L/D 2-7/8 TBG TO LANDING DEPTH @ 8338'. FCP- 450. SWIFN. DRAIN UP CIRC EQUIPMENT. SDFN.
17:00	1.00	18:00	CTRL	Crew Travel	CREW TRAVEL.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN & SECURE.

**16-12D-36 BTR 12/6/2012 06:00 - 12/7/2012 06:00**

API/UWI 43-013-50980	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,555.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL HOLD SAFETY MEETING.
07:00	3.50	10:30	IWHD	Install Wellhead	SITP- 0. SICP- 1250. LAND TBG @ 8338'. 262 JTS TOTAL IN HOLE. N/D BOP. N/U WELLHEAD. DROP BALL & PUMPED BIT OFF @ 1700 PSI. TBG ON VACUUM. R/U TBG TO SALES LINE. TURN OVER TO FLOW BACK.
10:30	2.50	13:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. CLEAN LOCATION. ROAD RIG TO NABORS YARD.
13:00	17.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. 20G0005608	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BILL BARRETT CORPORATION Contact: JULIE WEBB E-Mail: jwebb@billbarrettcorp.com		7. Unit or CA Agreement Name and No.	
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. 16-12D-36 BTR	
3a. Phone No. (include area code) Ph: 303-312-8707		9. API Well No. 43-013-50980	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 825FSL 260FEL 40.229572 N Lat, 110.502939 W Lon At top prod interval reported below SESE 771FSL 849FEL At total depth SESE 720FSL 897FEL BHL by HSM		10. Field and Pool, or Exploratory ALTAMONT	
14. Date Spudded 09/28/2012		11. Sec., T., R., M., or Block and Survey or Area Sec 12 T3S R6W Mer UBM	
15. Date T.D. Reached 11/04/2012		12. County or Parish DUCHESE	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/05/2012		13. State UT	
17. Elevations (DF, KB, RT, GL)* 5947 GL			
18. Total Depth: MD 10555 TVD 10489		19. Plug Back T.D.: MD 10452 TVD 10387	
20. Depth Bridge Plug Set: MD TVD			

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) MUD, CBL	22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)
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## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	65.0	0	80	80			0	
12.250	9.625 J-55	36.0	0	4015	4011	935	450	0	
8.750	5.500 P-110	17.0	0	10555	10540	1665	581	3724	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8339							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	8346	9084	8346 TO 9084	0.440	132	OPEN
B) WASATCH	9100	10398	9100 TO 10398	0.440	183	OPEN
C)						
D)						

## 26. Perforation Record

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8346 TO 9084	GREEN RIVER: SEE TREATMENT STAGES 5-7
9100 TO 10398	WASATCH: SEE TREATMENT STAGES 1-4

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/05/2012	12/11/2012	24	→	666.0	1248.0	517.0	52.0		FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
26/64	1000	2250.0	→	666	1248	517	1873	POW	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #168366 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (include Aquifers):

Show all important zones of porosity and contents thereof. Corred intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER MAHOGANY DOUGLAS CREEK BLACK SHALE CASTLE PEAK UTELAND BUTTE WASATCH TD	4594 5312 7559 8213 8343 8631 9091 10555

## 32. Additional remarks (include plugging procedure):

TOC was calculated by CBL. CBL mailed due to file size. Conductor was cemented with grout. Attached is treatment data. First gas sales was on 12/5/2012.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #168366 Verified by the BLM Well Information System.  
For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) JULIE WEBB

Title PERMIT ANALYST

Signature (Electronic Submission)

Date 12/21/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*

**16-12D-36 BTR Completion Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>			
<b>AMOUNT AND TYPE OF MATERIAL</b>			
<b><u>Stage</u></b>	<b><u>BBS Slurry</u></b>	<b><u>lbs 100 Common Mesh</u></b>	<b><u>lbs 20/40 White Sand</u></b>
1	3,440	13,800	134,300
2	3,664	14,800	155,500
3	3,142	13,700	90,300
4	3,481	13,300	104,100
5	3,661	14,100	149,900
6	3,631	14,100	150,200
7	3,622	12,490	141,640

\*Depth intervals for frac information same as perforation record intervals.

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**DEC 25 2012**

DIV. OF OIL, GAS & MINING



# **BILL BARRETT CORPORATION**

**UTAH (DUCHESNE COUNTY)  
SEC. 12 T3S R6W U.S.B. & M. (NAD 83)  
#16-12D-36 BTR  
ORIGINAL WELLBORE**

**04 November, 2012**

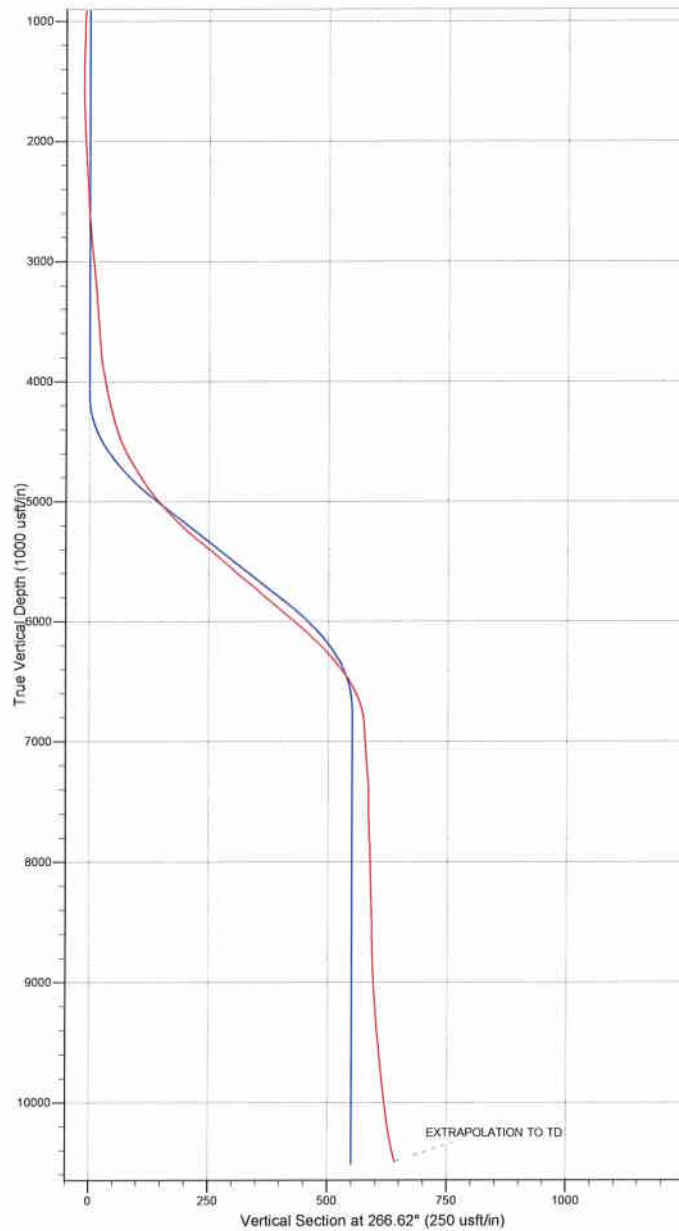
**Survey: FINAL SURVEYS**

**RECEIVED**

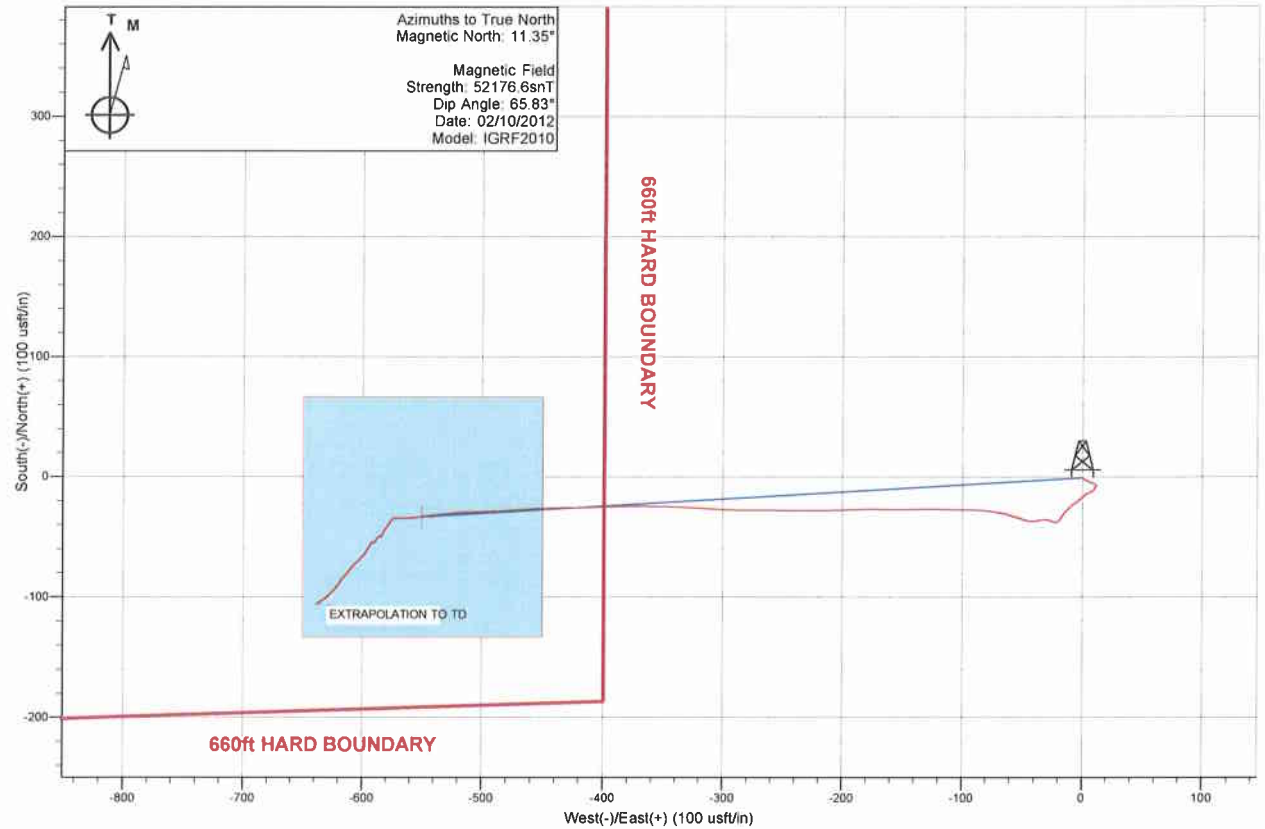
**DEC 2 5 2012**

**DIV. OF OIL, GAS & MINING**





Project: UTAH (DUCHESNE COUNTY)  
 Site: SEC. 12 T3S R6W U.S.B. & M. (NAD 83)  
 Well: #16-12D-36 BTR  
 Wellbore: ORIGINAL WELLBORE  
 Design: FINAL SURVEYS



ANNOTATIONS							
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Annotation
10489.4	10555.0	4.22	237.32	-104.8	-637.4	642.4	EXTRAPOLATION TO TD



## Survey Report



<b>Company:</b>	BILL BARRETT CORPORATION	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Project:</b>	UTAH (DUCHESNE COUNTY)	<b>TVD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Site:</b>	SEC. 12 T3S R6W U.S.B. & M. (NAD	<b>MD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Well:</b>	#16-12D-36 BTR	<b>North Reference:</b>	True
<b>Wellbore:</b>	ORIGINAL WELLBORE	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

<b>Project</b>	UTAH (DUCHESNE COUNTY)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		Using geodetic scale factor

<b>Site</b>	SEC. 12 T3S R6W U.S.B. & M. (NAD 83)				
<b>Site Position:</b>		<b>Northing:</b>	7,253,899.39 usft	<b>Latitude:</b>	40° 13' 46.459 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	1,918,791.22 usft	<b>Longitude:</b>	110° 30' 10.580 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16"	<b>Grid Convergence:</b>	0.64 °

<b>Well</b>	#16-12D-36 BTR					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	7,253,899.39 usft	<b>Latitude:</b>	40° 13' 46.459 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	1,918,791.22 usft	<b>Longitude:</b>	110° 30' 10.580 W
<b>Position Uncertainty</b>	0.0 usft		<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	5,945.0 usft

<b>Wellbore</b>	ORIGINAL WELLBORE				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	02/10/2012	11.35	65.83	52,177

<b>Design</b>	FINAL SURVEYS				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	266.62	

<b>Survey Program</b>	<b>Date</b>	04/11/2012		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
188.0	10,555.0	FINAL SURVEYS (ORIGINAL WELLBORE)	MWD	MWD - Standard

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	5,962.0	0.0	0.0	0.0	0.00	0.00	0.00
188.0	0.66	89.86	188.0	5,774.0	0.0	1.1	-1.1	0.35	0.35	0.00
219.0	0.13	114.09	219.0	5,743.0	0.0	1.3	-1.3	1.76	-1.71	78.16
281.0	0.40	141.34	281.0	5,681.0	-0.2	1.5	-1.5	0.47	0.44	43.95
343.0	0.35	154.44	343.0	5,619.0	-0.5	1.7	-1.7	0.16	-0.08	21.13
402.0	0.18	150.83	402.0	5,560.0	-0.8	1.8	-1.8	0.29	-0.29	-6.12
462.0	0.53	141.87	462.0	5,500.0	-1.1	2.0	-2.0	0.59	0.58	-14.93
524.0	0.75	123.50	524.0	5,438.0	-1.5	2.6	-2.5	0.48	0.35	-29.63
584.0	0.83	105.83	584.0	5,378.0	-1.9	3.3	-3.2	0.43	0.13	-29.45
645.0	0.92	111.90	645.0	5,317.0	-2.2	4.2	-4.1	0.21	0.15	9.95
705.0	0.92	121.56	705.0	5,257.0	-2.6	5.0	-4.9	0.26	0.00	16.10
766.0	0.75	106.89	766.0	5,196.0	-3.0	5.8	-5.7	0.45	-0.28	-24.05
828.0	0.79	119.81	828.0	5,134.0	-3.3	6.6	-6.4	0.29	0.06	20.84

# Survey Report



<b>Company:</b>	BILL BARRETT CORPORATION	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Project:</b>	UTAH (DUCHESNE COUNTY)	<b>TVD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Site:</b>	SEC. 12 T3S R6W U.S.B. & M. (NAD	<b>MD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Well:</b>	#16-12D-36 BTR	<b>North Reference:</b>	True
<b>Wellbore:</b>	ORIGINAL WELLBORE	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

## Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
890.0	0.92	109.00	889.9	5,072.1	-3.7	7.4	-7.2	0.33	0.21	-17.44
953.0	1.14	115.32	952.9	5,009.1	-4.1	8.5	-8.2	0.39	0.35	10.03
1,017.0	0.66	114.62	1,016.9	4,945.1	-4.5	9.4	-9.1	0.75	-0.75	-1.09
1,080.0	0.26	101.35	1,079.9	4,882.1	-4.7	9.9	-9.6	0.65	-0.63	-21.06
1,143.0	0.48	119.46	1,142.9	4,819.1	-4.9	10.2	-9.9	0.39	0.35	28.75
1,207.0	0.62	112.86	1,206.9	4,755.1	-5.2	10.8	-10.5	0.24	0.22	-10.31
1,270.0	0.74	115.62	1,269.9	4,692.1	-5.5	11.5	-11.1	0.20	0.19	4.38
1,334.0	0.18	121.92	1,333.9	4,628.1	-5.7	11.9	-11.6	0.88	-0.87	9.84
1,397.0	0.13	163.40	1,396.9	4,565.1	-5.8	12.0	-11.7	0.19	-0.08	65.84
1,460.0	0.31	164.28	1,459.9	4,502.1	-6.0	12.1	-11.7	0.29	0.29	1.40
1,524.0	0.57	202.34	1,523.9	4,438.1	-6.5	12.0	-11.6	0.59	0.41	59.47
1,587.0	0.62	215.34	1,586.9	4,375.1	-7.1	11.7	-11.3	0.23	0.08	20.63
1,651.0	0.64	206.91	1,650.9	4,311.1	-7.7	11.4	-10.9	0.15	0.03	-13.17
1,715.0	0.70	197.59	1,714.9	4,247.1	-8.4	11.1	-10.6	0.19	0.09	-14.56
1,779.0	0.83	210.16	1,778.9	4,183.1	-9.1	10.7	-10.2	0.33	0.20	19.64
1,842.0	0.57	211.65	1,841.9	4,120.1	-9.8	10.3	-9.7	0.41	-0.41	2.37
1,906.0	0.70	229.67	1,905.9	4,056.1	-10.3	9.9	-9.2	0.37	0.20	28.16
1,969.0	0.92	239.25	1,968.9	3,993.1	-10.8	9.1	-8.5	0.41	0.35	15.21
2,033.0	0.88	236.26	2,032.9	3,929.1	-11.4	8.3	-7.6	0.10	-0.06	-4.67
2,096.0	1.01	246.98	2,095.9	3,866.1	-11.9	7.4	-6.7	0.35	0.21	17.02
2,160.0	0.97	252.17	2,159.9	3,802.1	-12.2	6.3	-5.6	0.15	-0.06	8.11
2,223.0	1.05	248.83	2,222.8	3,739.2	-12.6	5.3	-4.5	0.16	0.13	-5.30
2,287.0	0.88	234.15	2,286.8	3,675.2	-13.1	4.3	-3.6	0.47	-0.27	-22.94
2,350.0	1.01	233.80	2,349.8	3,612.2	-13.7	3.5	-2.7	0.21	0.21	-0.56
2,414.0	0.48	220.79	2,413.8	3,548.2	-14.3	2.9	-2.0	0.86	-0.83	-20.33
2,477.0	0.83	238.72	2,476.8	3,485.2	-14.7	2.3	-1.4	0.64	0.56	28.46
2,541.0	1.23	221.85	2,540.8	3,421.2	-15.4	1.5	-0.5	0.78	0.62	-26.36
2,604.0	1.36	232.66	2,603.8	3,358.2	-16.4	0.4	0.6	0.44	0.21	17.16
2,667.0	1.67	230.72	2,666.8	3,295.2	-17.4	-0.9	1.9	0.50	0.49	-3.08
2,731.0	1.34	225.45	2,730.7	3,231.3	-18.6	-2.1	3.2	0.56	-0.52	-8.23
2,794.0	1.45	237.40	2,793.7	3,168.3	-19.5	-3.3	4.5	0.49	0.17	18.97
2,857.0	1.63	238.20	2,856.7	3,105.3	-20.4	-4.8	6.0	0.29	0.29	1.27
2,921.0	1.76	235.56	2,920.7	3,041.3	-21.4	-6.4	7.6	0.24	0.20	-4.12
2,984.0	1.98	225.71	2,983.6	2,978.4	-22.7	-7.9	9.3	0.62	0.35	-15.63
3,047.0	1.67	223.61	3,046.6	2,915.4	-24.2	-9.4	10.8	0.50	-0.49	-3.33
3,111.0	2.07	226.24	3,110.6	2,851.4	-25.6	-10.8	12.3	0.64	0.62	4.11
3,174.0	1.89	226.15	3,173.5	2,788.5	-27.2	-12.4	14.0	0.29	-0.29	-0.14
3,238.0	1.71	216.31	3,237.5	2,724.5	-28.7	-13.7	15.4	0.56	-0.28	-15.37
3,301.0	1.93	214.47	3,300.5	2,661.5	-30.3	-14.9	16.6	0.36	0.35	-2.92
3,365.0	1.89	211.74	3,364.4	2,597.6	-32.1	-16.0	17.9	0.16	-0.06	-4.27
3,428.0	1.36	218.77	3,427.4	2,534.6	-33.5	-17.1	19.0	0.90	-0.84	11.16
3,492.0	1.41	224.75	3,491.4	2,470.6	-34.7	-18.1	20.1	0.24	0.08	9.34
3,555.0	1.32	227.47	3,554.4	2,407.6	-35.7	-19.2	21.2	0.18	-0.14	4.32
3,619.0	1.14	237.67	3,618.4	2,343.6	-36.6	-20.3	22.4	0.44	-0.28	15.94
3,682.0	1.27	264.12	3,681.4	2,280.6	-37.0	-21.5	23.6	0.90	0.21	41.98
3,739.0	1.45	289.96	3,738.3	2,223.7	-36.8	-22.8	24.9	1.11	0.32	45.33
3,802.0	1.76	292.95	3,801.3	2,160.7	-36.1	-24.4	26.5	0.51	0.49	4.75
3,865.0	2.64	291.81	3,864.3	2,097.7	-35.2	-26.7	28.7	1.40	1.40	-1.81
3,929.0	2.46	273.09	3,928.2	2,033.8	-34.6	-29.4	31.4	1.32	-0.28	-29.25
3,952.0	2.50	269.84	3,951.2	2,010.8	-34.6	-30.4	32.4	0.64	0.17	-14.13
4,029.0	2.68	259.29	4,028.1	1,933.9	-34.9	-33.8	35.8	0.66	0.23	-13.70
4,092.0	3.16	255.86	4,091.0	1,871.0	-35.6	-37.0	39.0	0.81	0.76	-5.44
4,156.0	3.08	265.53	4,154.9	1,807.1	-36.2	-40.4	42.5	0.83	-0.12	15.11

# Survey Report



<b>Company:</b>	BILL BARRETT CORPORATION	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Project:</b>	UTAH (DUCHESNE COUNTY)	<b>TVD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Site:</b>	SEC. 12 T3S R6W U.S.B. & M. (NAD	<b>MD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Well:</b>	#16-12D-36 BTR	<b>North Reference:</b>	True
<b>Wellbore:</b>	ORIGINAL WELLBORE	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

## Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,219.0	3.52	280.12	4,217.8	1,744.2	-36.0	-44.0	46.0	1.50	0.70	23.16
4,283.0	4.09	289.70	4,281.7	1,680.3	-34.9	-48.1	50.0	1.33	0.89	14.97
4,346.0	4.79	290.23	4,344.5	1,617.5	-33.2	-52.7	54.5	1.11	1.11	0.84
4,409.0	5.23	287.33	4,407.3	1,554.7	-31.4	-57.9	59.6	0.81	0.70	-4.60
4,473.0	5.80	284.34	4,471.0	1,491.0	-29.8	-63.8	65.4	1.00	0.89	-4.67
4,536.0	6.50	277.75	4,533.6	1,428.4	-28.5	-70.4	72.0	1.58	1.11	-10.46
4,600.0	7.87	276.96	4,597.1	1,364.9	-27.5	-78.3	79.8	2.15	2.14	-1.23
4,663.0	8.44	272.12	4,659.5	1,302.5	-26.8	-87.2	88.7	1.42	0.90	-7.68
4,726.0	8.61	270.98	4,721.8	1,240.2	-26.5	-96.6	98.0	0.38	0.27	-1.81
4,790.0	8.80	271.24	4,785.0	1,177.0	-26.3	-106.3	107.6	0.30	0.30	0.41
4,853.0	9.98	271.33	4,847.2	1,114.8	-26.1	-116.5	117.9	1.87	1.87	0.14
4,917.0	10.68	269.48	4,910.1	1,051.9	-26.0	-128.0	129.3	1.21	1.09	-2.89
4,980.0	12.10	268.17	4,971.9	990.1	-26.3	-140.5	141.8	2.29	2.25	-2.08
5,044.0	12.96	271.07	5,034.4	927.6	-26.4	-154.3	155.6	1.66	1.34	4.53
5,107.0	13.18	270.63	5,095.7	866.3	-26.2	-168.6	169.8	0.38	0.35	-0.70
5,170.0	13.62	268.69	5,157.0	805.0	-26.3	-183.2	184.4	1.00	0.70	-3.08
5,234.0	15.21	267.90	5,219.0	743.0	-26.7	-199.1	200.3	2.50	2.48	-1.23
5,297.0	16.52	269.48	5,279.6	682.4	-27.1	-216.3	217.5	2.19	2.08	2.51
5,361.0	17.89	271.24	5,340.7	621.3	-27.0	-235.2	236.4	2.29	2.14	2.75
5,424.0	17.09	269.84	5,400.8	561.2	-26.8	-254.2	255.3	1.43	-1.27	-2.22
5,488.0	16.17	270.01	5,462.2	499.8	-26.8	-272.5	273.6	1.44	-1.44	0.27
5,551.0	15.82	271.07	5,522.7	439.3	-26.7	-289.8	290.9	0.72	-0.56	1.68
5,615.0	16.44	273.62	5,584.2	377.8	-25.9	-307.6	308.6	1.47	0.97	3.98
5,678.0	17.18	273.35	5,644.5	317.5	-24.8	-325.8	326.7	1.18	1.17	-0.43
5,741.0	17.27	271.77	5,704.7	257.3	-24.0	-344.4	345.2	0.76	0.14	-2.51
5,805.0	15.86	269.48	5,766.0	196.0	-23.8	-362.7	363.4	2.43	-2.20	-3.58
5,868.0	16.66	269.75	5,826.5	135.5	-23.9	-380.3	381.1	1.28	1.27	0.43
5,932.0	16.66	267.81	5,887.8	74.2	-24.3	-398.7	399.4	0.87	0.00	-3.03
5,995.0	16.52	269.22	5,948.2	13.8	-24.8	-416.6	417.4	0.68	-0.22	2.24
6,059.0	16.35	268.69	6,009.6	-47.6	-25.1	-434.7	435.5	0.35	-0.27	-0.83
6,122.0	16.00	267.38	6,070.1	-108.1	-25.7	-452.3	453.0	0.80	-0.56	-2.08
6,185.0	14.55	265.62	6,130.9	-168.9	-26.7	-468.8	469.6	2.42	-2.30	-2.79
6,249.0	13.40	265.97	6,193.0	-231.0	-27.8	-484.3	485.1	1.80	-1.80	0.55
6,312.0	13.36	269.84	6,254.2	-292.2	-28.4	-498.8	499.6	1.42	-0.06	6.14
6,376.0	11.73	266.76	6,316.7	-354.7	-28.7	-512.7	513.5	2.75	-2.55	-4.81
6,439.0	10.15	263.68	6,378.6	-416.6	-29.7	-524.6	525.5	2.67	-2.51	-4.89
6,503.0	9.71	265.35	6,441.6	-479.6	-30.8	-535.6	536.5	0.82	-0.69	2.61
6,566.0	8.79	263.42	6,503.8	-541.8	-31.8	-545.7	546.6	1.54	-1.46	-3.06
6,629.0	7.60	261.66	6,566.2	-604.2	-32.9	-554.6	555.6	1.93	-1.89	-2.79
6,693.0	5.84	267.90	6,629.7	-667.7	-33.6	-562.0	563.0	2.97	-2.75	9.75
6,756.0	4.39	270.56	6,692.5	-730.5	-33.7	-567.6	568.6	2.33	-2.30	4.22
6,820.0	2.50	269.43	6,756.3	-794.3	-33.7	-571.5	572.5	2.95	-2.95	-1.77
6,915.0	1.32	219.56	6,851.3	-889.3	-34.6	-574.3	575.3	2.04	-1.24	-52.49
7,010.0	2.11	211.56	6,946.2	-984.2	-36.9	-575.9	577.0	0.87	0.83	-8.42
7,105.0	1.32	225.54	7,041.2	-1,079.2	-39.2	-577.6	578.9	0.94	-0.83	14.72
7,201.0	2.02	213.41	7,137.2	-1,175.2	-41.4	-579.3	580.7	0.81	0.73	-12.64
7,295.0	1.54	205.50	7,231.1	-1,269.1	-43.9	-580.7	582.3	0.57	-0.51	-8.41
7,390.0	2.24	211.92	7,326.1	-1,364.1	-46.6	-582.3	584.0	0.77	0.74	6.76
7,486.0	1.05	213.67	7,422.0	-1,460.0	-48.9	-583.8	585.6	1.24	-1.24	1.82
7,581.0	0.75	26.91	7,517.0	-1,555.0	-49.1	-584.0	585.8	1.89	-0.32	182.36
7,676.0	0.48	330.13	7,612.0	-1,650.0	-48.2	-583.9	585.7	0.66	-0.28	-59.77
7,771.0	0.62	228.53	7,707.0	-1,745.0	-48.2	-584.5	586.3	0.90	0.15	-106.95
7,866.0	1.19	226.07	7,802.0	-1,840.0	-49.2	-585.5	587.4	0.60	0.60	-2.59

## Survey Report



<b>Company:</b>	BILL BARRETT CORPORATION	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Project:</b>	UTAH (DUCHESNE COUNTY)	<b>TVD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Site:</b>	SEC. 12 T3S R6W U.S.B. & M. (NAD	<b>MD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Well:</b>	#16-12D-36 BTR	<b>North Reference:</b>	True
<b>Wellbore:</b>	ORIGINAL WELLBORE	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

## Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,962.0	0.09	295.06	7,898.0	-1,936.0	-49.9	-586.3	588.3	1.21	-1.15	71.86
8,057.0	0.79	237.05	7,993.0	-2,031.0	-50.2	-587.0	588.9	0.79	0.74	-61.06
8,152.0	0.92	201.37	8,088.0	-2,126.0	-51.3	-587.8	589.8	0.57	0.14	-37.56
8,247.0	0.70	208.58	8,183.0	-2,221.0	-52.5	-588.3	590.4	0.25	-0.23	7.59
8,342.0	0.88	209.54	8,278.0	-2,316.0	-53.7	-589.0	591.1	0.19	0.19	1.01
8,438.0	0.53	281.35	8,374.0	-2,412.0	-54.2	-589.8	591.9	0.91	-0.36	74.80
8,533.0	0.44	327.40	8,469.0	-2,507.0	-53.8	-590.4	592.5	0.41	-0.09	48.47
8,628.0	0.18	302.09	8,564.0	-2,602.0	-53.4	-590.7	592.8	0.30	-0.27	-26.64
8,723.0	0.22	238.99	8,658.9	-2,696.9	-53.4	-591.0	593.1	0.22	0.04	-66.42
8,818.0	0.75	213.32	8,753.9	-2,791.9	-54.1	-591.5	593.7	0.59	0.56	-27.02
8,913.0	0.79	222.90	8,848.9	-2,886.9	-55.1	-592.3	594.5	0.14	0.04	10.08
9,008.0	1.41	213.32	8,943.9	-2,981.9	-56.5	-593.4	595.7	0.68	0.65	-10.08
9,103.0	2.02	202.61	9,038.9	-3,076.9	-59.0	-594.7	597.1	0.72	0.64	-11.27
9,199.0	1.71	217.72	9,134.8	-3,172.8	-61.7	-596.2	598.8	0.60	-0.32	15.74
9,294.0	1.63	217.98	9,229.8	-3,267.8	-63.9	-597.9	600.6	0.08	-0.08	0.27
9,389.0	1.63	228.09	9,324.7	-3,362.7	-65.9	-599.7	602.6	0.30	0.00	10.64
9,484.0	1.71	222.11	9,419.7	-3,457.7	-67.8	-601.7	604.6	0.20	0.08	-6.29
9,580.0	2.02	226.15	9,515.7	-3,553.7	-70.1	-603.9	606.9	0.35	0.32	4.21
9,675.0	1.85	222.55	9,610.6	-3,648.6	-72.4	-606.1	609.3	0.22	-0.18	-3.79
9,770.0	1.85	221.94	9,705.6	-3,743.6	-74.6	-608.2	611.5	0.02	0.00	-0.64
9,865.0	2.46	216.93	9,800.5	-3,838.5	-77.4	-610.4	613.9	0.67	0.64	-5.27
9,960.0	2.72	222.29	9,895.4	-3,933.4	-80.7	-613.2	616.9	0.37	0.27	5.64
10,055.0	2.90	217.28	9,990.3	-4,028.3	-84.3	-616.1	620.0	0.32	0.19	-5.27
10,150.0	2.86	213.50	10,085.2	-4,123.2	-88.2	-618.9	623.0	0.20	-0.04	-3.98
10,246.0	3.25	220.62	10,181.0	-4,219.0	-92.2	-622.0	626.3	0.57	0.41	7.42
10,341.0	3.34	226.42	10,275.9	-4,313.9	-96.2	-625.7	630.3	0.36	0.09	6.11
10,436.0	3.87	232.49	10,370.7	-4,408.7	-100.0	-630.3	635.1	0.69	0.56	6.39
10,505.0	4.22	237.32	10,439.5	-4,477.5	-102.8	-634.3	639.2	0.71	0.51	7.00
<b>EXTRAPOLATION TO TD</b>										
<b>10,555.0</b>	<b>4.22</b>	<b>237.32</b>	<b>10,489.4</b>	<b>-4,527.4</b>	<b>-104.8</b>	<b>-637.4</b>	<b>642.4</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>



# Survey Report



<b>Company:</b>	BILL BARRETT CORPORATION	<b>Local Co-ordinate Reference:</b>	Well #16-12D-36 BTR
<b>Project:</b>	UTAH (DUCHESNE COUNTY)	<b>TVD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Site:</b>	SEC. 12 T3S R6W U.S.B. & M. (NAD	<b>MD Reference:</b>	KB-EST @ 5962.0usft (Original Well Elev)
<b>Well:</b>	#16-12D-36 BTR	<b>North Reference:</b>	True
<b>Wellbore:</b>	ORIGINAL WELLBORE	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

## Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PROPOSED TD (P4)	0.00	0.00	10,512.0	-32.4	-549.2	7,253,860.86	1,918,242.43	40° 13' 46.139 N	110° 30' 17.662 W
- survey misses target center by 116.3usft at 10555.0usft MD (10489.4 TVD, -104.8 N, -637.4 E)									
- Rectangle (sides W200.0 H200.0 D0.0)									
PROPOSED TD (P3)	0.00	0.00	10,512.0	-32.4	-549.2	7,253,860.86	1,918,242.43	40° 13' 46.139 N	110° 30' 17.662 W
- survey misses target center by 116.3usft at 10555.0usft MD (10489.4 TVD, -104.8 N, -637.4 E)									
- Rectangle (sides W200.0 H200.0 D0.0)									
PROPOSED TD	0.00	0.00	7,807.0	-32.4	-549.2	7,253,860.86	1,918,242.43	40° 13' 46.139 N	110° 30' 17.662 W
- survey misses target center by 40.1usft at 7870.6usft MD (7806.6 TVD, -49.3 N, -585.6 E)									
- Rectangle (sides W200.0 H200.0 D0.0)									

## Survey Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
10,555.0	10,489.4	-104.8	-637.4	EXTRAPOLATION TO TD

Checked By: _____	Approved By: _____	Date: _____
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<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626503
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 16-12D-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0825 FSL 0260 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 12 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509800000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/24/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Earned Lease"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The tribal lease has been earned for this well. The new lease number is 1420H626503.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          July 11, 2013</b>		
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/18/2013	

Effective Date: 11/1/2016

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

**COMMENTS:**

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD

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LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD



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LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

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LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

From: Bill Barrett Corporation

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1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

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4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA





October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

**New Operator Contact information:**

RIG II, LLC  
1582 West 2600 South  
Woods Cross, Utah 84087-0298  
Telephone: (801) 683-4245  
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley  
Permit Analyst

**RECEIVED**  
OCT 21 2016  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

RIG II, LLC

N4055

3. ADDRESS OF OPERATOR:

1582 West 2600 South

CITY Wood Cross

STATE UT

ZIP 84087

PHONE NUMBER:

(801) 683-4245

4. LOCATION OF WELL

FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

11/1/2016

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC

1582 West 2600 South

Woods Cross, Utah 84087-0298

801-683-4245

(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165

Duane Zavala

NAME (PLEASE PRINT)

Duane Zavala

SIGNATURE

Senior Vice President -

EH&S, Government and Regulatory Affairs

RIG II, LLC

Jesse McSwain

NAME (PLEASE PRINT)

Jesse McSwain

SIGNATURE

Manager

NAME (PLEASE PRINT) Jesse McSwain

TITLE Manager

SIGNATURE

Jesse McSwain

DATE

10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

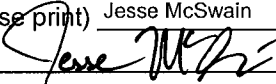
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	(See attached list)
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Bill Barrett Corporation
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Bill Barrett Corporation

Check one	Desired Action:
	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-UDOGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager  
Signature  Date 10/20/16  
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

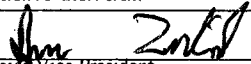
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

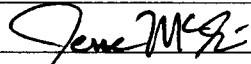
Well Name and Number 6-32-36 BTR SWD	API Number 4301350921
Location of Well Footage : 1628 FNL 1553 FWL County : DUCHENSE QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

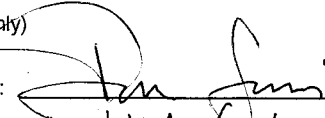
CURRENT OPERATOR

Company: BILL BARRETT CORPORATION	Name: Duane Zavadii
Address: 1099 18th Street Ste 2300	Signature: 
city DENVER state CO zip 80202	Senior Vice President -
Phone: (303) 293-9100	Title: EH&S, Government and Regulatory Affairs
Comments:	Date: 10/20/16

NEW OPERATOR

Company: RIG II, LLC	Name: Jesse McSwain
Address: 1582 West 2600 South	Signature: 
city Wood Cross state UT zip 84087	Title: Manager
Phone: (801) 683-4245	Date: 10/20/16
Comments:	

(This space for State use only)

Transfer approved by:   
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

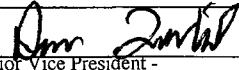
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

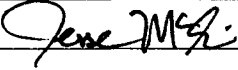
Well Name and Number <b>16-6D-46 BTR SWD</b>	API Number <b>4301350781</b>
Location of Well  Footage : <b>0200 FSL 0099 FEL</b> County : <b>DUCHESNE</b>  QQ, Section, Township, Range: <b>SESE    6    4S    6W</b> State : <b>UTAH</b>	Field or Unit Name <b>ALTAMONT</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016


**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Title: <u>EH&amp;S, Government and Regulatory Affairs</u>	
Comments:	

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by:   
Title: VIC

Approval Date: 11/3/16

Comments:

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

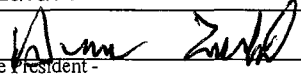
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

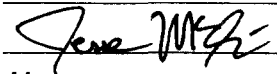
Well Name and Number <b>SWD 9-36 BTR</b>	API Number <b>4301350646</b>
Location of Well  Footage : <b>0539 FSL 0704 FEL</b>  County : <b>DUCHESNE</b>  QQ, Section, Township, Range: <b>SESE 9 3S 6W</b>  State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President - EH&amp;S, Government and Regulatory Affairs</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Title: \_\_\_\_\_

Comments:

*This well was approved by USEPA.  
EPA approval will be required.*